

Ah yes. The Earphones.

It seems to be a running joke within the Apple company, that the company invests loads of money into designing and developing new players, and next to nothing, it seems, on designing the headphones that these new players play music through.

Every set of apple headphones I've ever had have been uncomfortable, and more or less gutless, with little bass (and few high frequencies, actually) to speak of.

They're not the worst headphones I've ever used, not by any means, but what they're also not is good enough to be something you'd expect to be included with a player that cost you this amount of money.

Apple also seem to have reasoned that if the earphones can double as a thief magnet, attracting muggers robbers, and pickpockets of all hues, by virtue of being a very distinctive off-white, then they will gain extra sales from people returning to the stores to replace iPods that have been stolen from them.

If it wasn't for the microphone built into the earphones (which so far seem to be available in only the cheapest rip-off copies and NO decent aftermarket earphones), I'd have put them in my "crappy electronics" box in the loft. We'll come back to the microphone later.

Going Out: To
Yorkshire

The Star

HERE we take

event highlight

in Sheffield an

Yorkshire. Jack

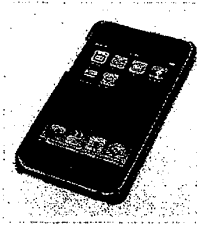
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Shearwood Ro

Wednesday to

18 - 21, 7.30p

THE INTERFACE: What is it like to use?:



Where "normal" iPods started with a combination of rotating wheels and buttons, and later migrated to simple centralised and minimalist touch-sensitive clickwheels, the iPod touch was a relative latecomer to the iPod family, and is not so much evolved from other iPods - that themselves each have a clearly visible and traceable design lineage - as distilled downwards from the iPhone, itself a completely different product designed for a different market.

For this reason, it might be better to consider the iPod Touch as less of a member of the iPod family, and more as the odd cousin that doesn't visit that often. A spiritual successor to the early iPods, the Touch might be. But an evolution of an existing iPod it was not. Controls wise, (until later upgrades that gave it a hold switch and an physical volume switch), the only button that the Touch featured was the "Home" button, itself taken from the iPhone rather than from any iPod.

As both devices use a touchscreen, the iPod uses an interpretation of the software originally designed for its iPhone counterpart, with the necessary tweaks made, some features added or changed, others removed. What this means in real terms is that instead of pressing buttons and seeing the results on screen, the buttons are on the screen. Objects on the screen can be physically "manipulated" using finger gestures, swiping from window to window with a side-to-side motion, scrolling up or down by flicking your finger up or down the screen, and of course the staple of any touchscreen device, tapping on a "button" to press it.



The GUI of the Touch (I'm calling it a Touch now, because iPod Touch is annoying after you type it 50 times in ten minutes) as with the phone, Apple's computer OSes and even Microsoft Windows, features antialiased icons, which when pressed open applications, lists of music, option menus etc etc. Icons can be moved around the screen, moved off the screen to a "second home screen" (reachable by swiping sideways from left to right), and some can be deleted altogether.

As with the iPhone, there's a "home button" below the screen that when pressed takes you back to the Touch's customisable equivalent of a main menu. Swiping from here in from right to left takes you from one screen of icons to (provided you have moved some of your icons around from screen to screen) to a second screen of icons. Swiping in the opposite direction brings you back to the first screen, and swipe from left to right a second time, to get to the Touch's incredibly useful search window. Search videos, artists, songs, albums etc with ease and speed, using the on screen keyboard. Accessible and useful, I think you'll find.

MUSIC: Is it as good as they say it is?

The iPod's stated function of course, is to store and play music, and a quick tap of the "Music" icon brings you to the music selection screen. Scroll through the music by artist, individual song title, by album, or by other criteria like Genre and Composer. All in alphabetical order. The cool thing about searching specifically by album is that provided you can find the album cover art (more on this later, too), a little icon representing the album cover is displayed next to the name of each album. It's helpful if you've memorised what the covers of your albums look like, and is still pretty cool if you haven't.

Playback? It plays music, it plays it pretty well.

I'm sorry to disappoint if you were looking forward to this bit, but I'm not going to bang on about technical audio quality, compression - lossless or otherwise - or bitrates. Audiophiles have the wonderful ability to enjoy every nuance of a good quality recording of good music, played on a good system. Unfortunately for them, many also have the grumpy ability to disapprove of every technology, format or sound system that falls short of their high standards. I suppose this just goes hand in hand with the ability to *really* tell between "good" and "bad".

Fortunately for me, I am not an audiophile, I am just a music lover. I couldn't care less about bitrates or compression, as long as the music sounds good. And you know, the iPod Touch does sound good, even through my cheap (they turned out to be counterfeit in the end!) £15 "Sennheiser" CX300s canalphones. Sound quality is generally pretty good, the bass is good and deep without swamping everything (I use the Rock EQ preset for a couple of tunes, and the R&B (even though I hate R&B) preset for everything else). The fact is that I think the iPod touch has very good sound quality, so I'm certainly not going to criticise it on that front.

The music interface is pretty damn good as well. Select an album from the list and it gives you the list of songs, allowing you to choose to play a specific song, or to "shuffle" (play in random order) the entire album. Let's say we choose a song.



What you've got now is the music playback screen (You can see how far the iPod Touch has come from the "old" iPods, in terms of the information displayed and the sheer ease of use that the new iPod gives you).

In the background you've got the album art, at the bottom you've got the usual play/pause/next/prev and volume controls. At the top you've got the tracker bar (with adjustable tracking speed, so you can track through the song at normal speed, or at much slower speed for greater precision for selecting a very specific point in the song, say), as well as the replay and shuffle icons.

Tap the replay icon once to replay the entire album once it reaches its end. Tap it again to replay only the song that is playing, once it has reached its end, tap it a third time to turn replay off.

The buttons in the top left and top right, return you to the music menu or give you the album song list, respectively. The song, telling the computer how much you like the song (this comes in useful for creating playlists in iTunes - we'll come to THAT later as well)...



Coverflow is an amazing feature new to the iPod range, and has been phased in over the past couple of models. It sure sets the newer iPods apart from the older ones.

Instead of scrolling down the list of albums in portrait orientation (holding the iPod vertically), flip it onto its side, and the list is replaced with representations of the covers of the albums themselves. These, you can flick through as if searching a shelf full of CDs. Tap on an album cover, and the artwork is replaced with a list of songs on the album. From there, either tap it again to return to the artwork, or tap a song name to play the album from that point.

Music is generally able to play in the background while you run other "apps". The same is not true of videos, which we come to now.

VIDEO: What about videos?



So you're on the train or whatever, you've got a long journey ahead. Is it as simple as just taking out the iPod and putting a movie on?

Well, actually, yes it is. Go to the "Videos" screen and you're given a little icon preview of each movie, as well as the

length and the name of the movie (Stopping playback of a movie before reaching the end results in a helpful little "24m Left"/"48m Left"/however long/Left note by the side of the details, also).

The controls are pretty simple enough, pick a movie and it starts playing straight away. Play/pause, previous video, next video on the bottom along with the volume. At the top is the tracker or whatever it's called that you can use to select a specific time in the movie.

Another cool thing is that movies are generally played in their native aspect ratio (widescreen movies are wider than non-widescreen movies, as you'd expect), but if you want to use a little more of the screen, double-tap the movie while it's playing, and the iPod will expand the movie until it stretches to all four sides of the screen.

Video quality is great. Videos are nice and crisp, non-blurry, and very colourful. All in all, the Touch does a very good job.

PHOTOS: Images of various sorts of things...

With its lovely large screen, the Touch is also good for carrying around your photos to show your mates. While the iPod itself doesn't actually have a camera (I'm not going into that, there's enough moaning about it elsewhere on the interwebs, personally I don't care, I own a camera, I don't need to hope I get one thrown in for free on some other device) it does a good job of displaying photos divided neatly into separate albums (which are apparently a bit fiddly to create).

Again, the usual finger gestures apply - slide from photo to photo, pinch the thumb and forefinger together on the screen to zoom out, move them apart on the screen to zoom in. The iPod can determine its orientation, so if you're viewing a landscape format image on the screen, turn the Touch onto its side, and the image expands to fill the screen. Turn it upright to view portrait format images.

The iPod also lets you play little slideshows of images, transitioning from one to the next.

In no particular order, we now come to another cool feature of the iPod.

VOICE CONTROL: Tell the thing what to do:

The earphones, as I mentioned earlier include a microphone and a few remote controls (volume, pause, play, next tune etc etc). Hold down the main switch on the remote, and the iPod goes into voice control mode. Like an answerphone, wait for the beep, then speak.

Remember, the iPod is just that, a music player. So commands like "make me a sandwich" probably won't accomplish anything. However, a helpful list of ideal commands scrolls by on the screen. "Play next song", "play previous song" etc are there, you can turn shuffle on or off, and there are a couple of other cool commands.

"What song is this?"/"Who sings this song" etc will result in a computerised female voice telling you the name of the song/artist. You can also select particular artists to listen to, i.e. "Play songs by Bonjovi".

The text to speech parser on "her" end isn't flawless, and neither is the speech recognition software, but I was surprised to find out just how accurate the voice recognition software actually is. By and large, it interprets my commands easily, the only tricky moments it's had so far is distinguishing between music from "Queen" and music from "Creed". In general, I ask it to play one of these two, and it plays the other. More than once, it responded to "play songs by Queen" with "Now playing songs by Wideboys" which made me giggle a bit, but as I say, these are really the only three artists that seem to trip the voice command thing up, and as I say, apart from these, the software is surprisingly accurate.

CHILDISH VOICE CONTROL GAME: Me sodding about and being juvenile with it:

In the interests of being childish though, I did fire up the iPod and select songs/artists with "unusually" spelled names/songs, and asked the iPod to identify them for me. Here are a few of the more amusing ones:

"Now playing 'Gym all your loving' by 'Zed Zed Top'" - Gimme All Your Lovin' by ZZ (pronounced Zee Zee) Top

"Now playing 'Cafe Del March, Dead-more-five rimmicks'" - Cafe Del Mar (Deadmau5) remix.

In retrospect this one might have been a little unfair on the iPod.

"Now playing 'Satch Buggy' by 'Joe Satch-ri-Inny'" - Satch Boogie by Joe Satriani

"Eisbrecher" (pronounced "Ice-bresher" (it's German for "Icebreaker")) became "Eees-brit-cher"...

All that irreverent and juvenile stuff aside, I do actually feel slightly guilty for deliberately tripping the software up and then poking fun at it. In general, if the tune/artist is "in English" i.e. not given a foreign name like "Eisbrecher", "Rammstein", or "Tyskarna från Lund" (interestingly, the iPod did pronounce this correctly), then the text to speech parser is more or less guaranteed to get it right. It's certainly a cool feature.

Unfortunately, I don't use it for two reasons:

The first is that I'd need to use the headphones that come with the iPod, which as I've said, aren't bad, but they're not good enough for me to want to ditch my "Sennheisers". Aftermarket headphones featuring built in microphones seem to be more or less non-existent.

The second and more prosaic reason is that I simply don't want to be seen walking around, asking "myself" questions about who sings what, or sitting on public transport coming out with random utterances like "Next song". Enough people mutter crap to themselves on public transport as it is, that's why I bought noise cancelling headphones in the first place (see point one).

If you're in the gym or something, I'd imagine it's a cool feature and one you can get away with using, but as I say, the headphones would need to be a whole lot better for me to actually use them.

APPS: Pronounced "Ayapps"? AND ONLINE USE (what, the internets?):

The iPod Touch, being equipped with Wi-Fi, is able to use the Apple Apps store (formerly the exclusive domain of the iPhone) to browse and download new little bits of software to itself. Stuff like new games or other clever little bits of software can be browsed by the hundreds, and bought online.

So far, I've only downloaded a few games and things, and then, only free ones (I've just paid £220 for an iPod, I'm damned if I'm going to pay extra to use the fucking thing), but the premise is very simple. Search a category, read a review, if it sounds cool, pay for it (if there's a price), download it, and off you go, all over wi-fi.

I've downloaded as I say, a few games, as well as three incredibly good (and free!) bits of software:

eBuddy - allows you to chat with AIM friends, MSN contacts, people on Facebook and other communications networks, all from the same bit of software.

Facebook - Self explanatory - Browse facebook from your iPod

Sky News - Read the latest news on your iPod.

"Apps" as Apple have annoyingly (and proprietarily (is that a word?)) dubbed what everyone else would call "applications", "programs" or even "software", are the iPod's way of expanding and adding to itself, and since there are many hundreds (many thousands?) of apps out there, everyone's iPod is more than likely to be slightly different.



As default though, the iPod is given a few cool bits of software, not the least of which are Safari (Apple's web browser), a link to Google Maps (apparently the iPod has the ability to determine your location - I don't know how this works and I

haven't tried it), and a link to Youtube.

Safari seems to run pretty well, and far from the dark days of "internet" phones that claimed to let you roam the "entire internet" (provided like most AOL users, you believe the entire internet describes the handful of sites suggested to you by the software already installed on the phone), the iPod truly is internet capable. If your PC/Mac can open an internet site, so can the iPod. Two notable exceptions are that the OS of the iPod doesn't support Flash or Java - the former may be supported via a third-party application (ayapp). Not sure about the latter. As I say though, fantastically cool feature. Who needs SMS on a cellphone when if you can find a wi-fi hotspot, you can just go online and have full conversations for free!

ITUNES AND ALBUM ART (the iPod is not a standalone device!)

iTunes, iTunes, ah lovely iTunes.

Well, lovely is debatable but as I'm on my fifth iPod (two first gen nanos, one second gen shuffle, one fifth gen video and one third gen touch) I'd be kinda screwed without it.

iTunes is the (free) supporting software designed to not only form a bridge between your computer and your iPod, but also a central command system for your iPod. iTunes is what sits on your computer and lets you organise your tunes into playlists (lists of songs you can play, surprisingly. For example, group all your christmas songs into one playlist called "Christmas playlist", turn Shuffle on, and you can while away the happy hours listening to christmas tunes).

iTunes lets you organise your videos, change your iPods preferences etc, and helps you sort your music into albums etc etc. Through it you can visit the iTunes store (a huge online market for albums and legal MP3 downloads, as well as videos, podcasts (like radio broadcasts, yet not) and the ever present "ayapps".

You will need iTunes if you're going to buy an iPod. It's free to download though, easy to set up and automatically updates. I'd look on Wikipedia or the apple site to find out about iTunes, since this is only a quick review...

One cool feature iTunes has is to download album art from the internet, so you can have the associated album art for all your albums/artists etc on your Coverflow. Unfortunately, this function isn't infallible, and I personally have had to spend two days downloading and exporting hundreds of images of CD covers, to my iPod to complete Coverflow without leaving huge blank gaps in it.

VERDICT: I like this gadget:

I'm not going to summarise each point in detail, as I did it up there ^^ (All those letters and punctuation and wordy things)...

All said and done though, I reckon you absolutely get your money's worth out of the new iPod Touch. You can do everything from play music to watch movies, view photos to chat on MSN. You could be surfing the internet, reading the news, watching youtube, or just playing games, and the battery life is pretty good (30 hours audio OR 6 hours internet surfing OR 6 hours video playback).

It's lightweight, slim, and pretty damn gorgeous. The earphones are a bit of a letdown, and the lack of an included screen protector is a downright crime given that the thing smudges fingerprints like a great big smudgy thing until you get one on.

The price is a bit on the high side (£300 for a 64gb model (I paid £230 for mine - ex return - long story)) but once you've paid it, you've got it, and with a few free "Ayapps", you've got all you need to surf the net to your heart's content.

Overall?

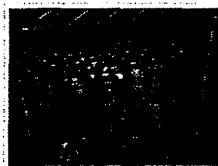
Well that's for you to decide - I've already bought mine :-).

Posted by [RS250-Squid](#) at 7:42 PM 0 comments

Sunday, March 07, 2010

Dominos, now sponsored by Pepsi Cola...

Prologue-y crappy bit



What's wrong with this picture?

Is it the calories? Thousands of calories in sweetened carbonated drinks, threatening to ruin your kid's health?

Is it the, ?? Well I dunno, commercialism of these mass-produced containers of soft drinks?

Maybe the way that they're so cynically stacked in rows and ranks, each customer satisfied by nothing more than a grid reference?

Maybe the drinks are politically offensive, suggestive of a western bias in marketing?

Bollocks. What's wrong with the picture is that all the cans are standing up nice and straight, which is not how I left them.

Well, today started out easy enough, a nice walk down to work, a nice easy shift delivering here, there and everywhere. I'd been in a fairly good mood. And so the shift progressed, nothing hard whatsoever.

I've got a delivery up to Nobby Nobbs, 45 nonesuch street, Ankh Morpark (not really) and he wants a bottle of fanta. Which is awkward cos we don't sell fanta. Ahem, he wants a bottle of Tango. So I grab a bottle, juggling the remainder of the pack with one hand. One pack (that is, five 1.5L bottles) fall into the dividing rail separating the bottles and the cans, and like dominos, over they go!

Like this but on a smaller scale - still in slow motion though.

My comment at the time, as the cans dropped 140cm onto my feet was "AAAAAARG FFS!!!!!!" What's one more screamed comment in a hectic restaurant? :-D. Pretty much every single can ended up on the floor, via my feet or otherwise. It was a mess.

Still, I spose you had to be there.

So what have I been up to since early february?

Well, we've had a couple of birthdays, valentines day, a couple of other things, and not much else. It's been one of those winter months that you could fill with events until every day was filled with excited exhaustion, and it'd still be considered "dead".

I got home after ADSC, drank maybe two or three of my cans of beer, enough to feel happy, not enough to get drunk. I decided to lay back to rest my eyes and gather my thoughts for a few seconds, mid conversation...

...and woke up about four PM the following day.

From there it seemed that life returned pretty much to normal. I celebrated passing, celebrated one week since passing, celebrated "the week before my birthday", same pissup, a different name.

I have to admit, as with my formerly sarcastic and vaguely cynical assessment above, despite the events of February, not much has happened. February seems to have been a non-month. The sky never showed itself, the sun hid behind a grey veil, as if afraid that its presence would give life to a day that wouldn't ordinarily be entitled to call itself a "Day".

Let's start with my birthday.

Hmm, I would list the accomplishments of the successive governments (Mostly Liabore) of Britain since I was born, but to do so would be describing them as accomplishments, and frankly, I'm not in the mood to put my money where my mouth is.

From childhood memories, seen as if through a dream, as though they happened not to me but to someone else, the world was a different place back then.

After a quarter of century it has changed, not for the better, not ostensibly, at least. But for worse. The safer world my parents promised me never came, as the safer world my grandparents promised my parents failed to materialise. The names and the causes change, there are always enemies out there to hate and to fight.

Still.

For my birthday, we went to a local place, nothing special, but special enough that I was glad to be there - what that says about my relationship with my family, I'm not sure.

We had a good time, some beer, awesome nachos, a nice burger, and a nice get together. My grandad, parents and ickle nephew came, which was cool. A nice meal all in all, can't ask for more.

A few days later, they announced on Calendar (a local news show) that our local airport was due a visit from someone special - the mighty Antonov AN-225 - the biggest and heaviest plane in the world, was due to pay us a visit. Kindly, my mum offered to take me out to the local airport, to see if she could help me get a few shots.

I'm not sure what to say about that. I've always loved going out shooting with Nick, my mate, I didn't realise I'd let on how much I enjoyed it. I guess last time Nick and I missed the 225 at Manchester, I'd let the disappointment show.

Either way, my mum, my nephew and I were up early and drove off to the local airport, to see if we could find the beast. Six engines, way bigger than a 747, can't be that hard to find, surely?

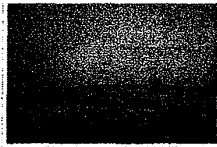
We pulled up at a side road at the end of the runway, crammed with cars and people, struggling for places to park, and despite the incredibly bad severe tragic nasty and horrid fog, we waited. And waited.

Eventually a police car turned up.

Apparently everyone was being moved on, the aircraft would be taking off soon and its presence over the roads was deemed a presence to traffic. Politely, but firmly, the police asked us to move on.

And move on, we did. Driving into the car park of the airport, seeing if we could see the beast.

Optimistic, since thanks to the incredibly intense (I've never seen it that bad, ever) fog, we (from the car park) couldn't even see the terminal building.



We wandered along the perimeter fence, until we found a couple of other photographers, and heard the distinct, loud but low-key humming of an aircraft's APU.

And there, behind the perimeter fence, close enough to see but almost too far away to shoot, was the Antonov. The only plane of its kind in the world. Sitting there calmly, its six engines not even powered up, its cabin doors open, waiting to be loaded.

We got a few photos before eventually deciding that enough was enough and we headed home. Not a good day, but as my mate Nick would say, rather tongue in cheek; "Bagged it".

Later on, came my ickle nephew's birthday. I'd worried about it for a while, but eventually set out to the local mall and went stalking for awesome presents to buy him.

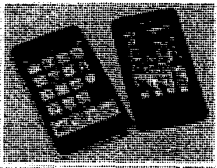
After a while of skulking around, I wandered into a few toyshops and found a few cool things for him - an awesome remote control crane complete with stay cables, motors, flashing lights and everything. The thing was almost a meter tall.

I got him some of that astronaut ice cream too.

Shortly after came the Ipod.

Yep, after its second rebuild, my faithful and awesome Ipod has not so much given up the ghost, as been retired - its battery now permits it a meager 1 hour of video playback from full charge to flat battery, and it's crashed once or twice citing unspecified errors.

So it's not broken, it's not dead, it's "held in reserve".



So I replaced it with my new baby, my beautiful awesome new gadget, the Ipod Touch 64gb.

Call me a fanboy or whatever, I don't care. Frankly I'd rather have this thing and everything it does than any £220 piece of shit you guys want to throw at me.

I love this thing, it's slim, it's sleek, it does tunes, video, hell it does internet, MSN, Facebook, IRC, for what, £220.

It's an absolutely beautiful piece of kit.

And after a few days of hard work, the thing is here playing Doom 2 OCRmix tunes. Which makes it even more awesome.

The thing next to it is my new cellphone, which I was excited about, until this beauty turned up in the post.

So that's february, and early march.

I'm Sorry I haven't updated for so long. I'll try to pay more attention in future :-).

Posted by [RS250-Squid](#) at 1:00 AM 0 comments

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Flex 4.5 – Using Mobile View Transitions

Posted by [Holly Schinsky](#) on May 12, 2011 in [Flash Builder 4.5](#), [Flex 4.5](#), [Flex 4.5/Mobile](#), [Flex Mobile](#), [Mobile Development](#) | [35 comments](#)

While navigating through a Flex mobile application from view to view (screen to screen), there is a default transition (animation or effect) that occurs by default and can be customized. It's called a *view transition* in Flex mobile lingo, and there are 4 different classes available in the `spark.transitions` package for you to use out of the box in Flex 4.5:

- **SlideViewTransition**
- **CrossFadeViewTransition**
- **FlipViewTransition**
- **ZoomViewTransition**

You can use any of these transition classes with their default properties or set the direction, duration and mode (for some) to cause a different effect such as shown in the following code snippet:

```

1  var flipTrans:FlipViewTransition = new FlipViewTransition();
2  flipTrans.direction = ViewTransitionDirection.UP;
3  flipTrans.mode = FlipViewTransitionMode.CUBE; //or CARD mode
4  navigator.pushView(SampleZoom,null,null,flipTrans);
5
6  var zoomTrans:ZoomViewTransition = new ZoomViewTransition();
7  zoomTrans.direction = ViewTransitionDirection.RIGHT;
8  zoomTrans.mode = ZoomViewTransitionMode.IN; //or OUT mode
9  navigator.popToFirstView(zoomTrans);
10
11
12  var slideTrans:SlideViewTransition = new SlideViewTransition();
13  slideTrans.direction = ViewTransitionDirection.DOWN;
14  slideTrans.mode = SlideViewTransitionMode.UNCOVER; //or COVER and PUSH modes
15  navigator.pushView(SampleZoom,null,null,slideTrans);
16
17  var fadeTrans:CrossFadeViewTransition = new CrossFadeViewTransition();
18  fadeTrans.direction = ViewTransitionDirection.LEFT;
19  // no modes are available for CrossFadeViewTransition
20  navigator.pushView(SampleZoom,null,null,fadeTrans);

```

By default the **SlideViewTransition** (*push* mode with direction of *left*) is used for the pushing/popping of all views. It causes the view to slide into place when you are navigating between views. You can change the default transition used for all navigation by setting `navigator.defaultPushTransition` (when a new view is pushed onto the stack) and `navigator.defaultPopTransition` (when the view is popped off the view stack so the view beneath it is shown) to an instance of another transition class such as in the code snippet below:

```

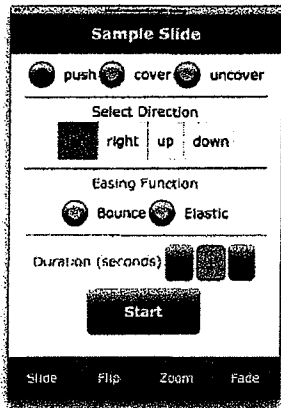
1  navigator.defaultPushTransition = new FlipViewTransition();

```

```
2 navigator.defaultPopTransition = new FadeViewTransition();
```

You can set these properties on any navigator within the main **ViewNavigatorApplication** or **TabbedViewNavigatorApplication** or **View** class itself. However if you want it to apply for the entire application you would set it in the root application code.

I recently built a sample using each of these transitions to show how they work, including how to use the modes that might be available (for instance on the **FlipViewTransition** you can specify card or cube mode), and how applying an easing function such as **Bounce** or **Elastic** might affect how it plays (fun stuff 😊)! Here is a screenshot of the sample application:



And below is a short video clip I recorded of it running on my iPod Touch. It's nothing fancy but you can see the different effects played when the 4 different view transition types are used including what the easing effect might do:

All of the **ViewTransition** classes extend **ViewTransitionBase**. The **ViewTransitionBase** class (and all that extend it) will dispatch a **FlexEvent.TRANSITION_START** and **FlexEvent.TRANSITION_END** event when the transition starts and ends respectively. You can create your own custom transitions extending **ViewTransitionBase**. If you plan to do so though, there's a lot of information you should first review in the Flex 4.5 **ViewTransition** specification [located here](#). Note that this is the original specification and some names of properties, events etc have changed.

The source, Flex project (fxp), .ipa and .apk (for iOS and Android) for the recorded sample above can be downloaded [here](#)!

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35 Responses to "Flex 4.5 – Using Mobile View Transitions"

1.  **Todd Shelton** says:
May 12, 2011 at 3:51 pm

Thanks for posting. I was looking for a different way to transition to my other views. Great Post!

[Reply](#)



2. *Gjal* says:

May 13, 2011 at 6:09 am

Thanks this is very helpfull,
just wanted to add that on the fade and zoom transition there is no direction property.

[Reply](#)



3. *USA website Designers Developers* says:

May 13, 2011 at 12:41 pm

Very great information for graphics point of view, the slide and transition is quite very good for mobiles and iPhone.
Thanks for post.

[Reply](#)



4. *Chris* says:

May 14, 2011 at 6:49 am

Mhh. The performance see slow...
Use the GPU renderer ?

Greetings chris

[Reply](#)



5. *Hammam* says:

May 16, 2011 at 8:17 am

What kind of packaging did you use to generate the ipa file ?

Best,
Hammam

[Reply](#)



6. *Mike* says:

May 20, 2011 at 12:20 pm

Interesting. I installed your fbp into Flex 4.5 and noticed that your app has Apple iOS as a possible target platform. Whereas, the mobile apps I am creating only have Android as a possible target. What is your secret?

[Reply](#)



o *Mike* says:

May 20, 2011 at 12:23 pm

It looks like you created an Actionscript mobile app and then added mxml to it. Is that how you got the iOS target?

[Reply](#)



7. *Friendlytek* says:

May 27, 2011 at 3:40 pm

my bet is she is using software that is not yet available
<http://blogs.adobe.com/flex/2011/04/compatibility-matrix-for-mobile-development-with-flash-builder-4-5.html>
expected to be released in June.
4.5.x

[Reply](#)



8. *Binod* says:

June 7, 2011 at 7:59 am

Hi,

Good post. Thanks.

But I want to have some animation like page flip or tear effect to a image container when the image source is changed and loaded. Can you please help me out how this can be achieved. Have been struggling from 2 weeks for this. This will be for mobile apps in flex 4.5.

Thanks Much,
Binod Singh

Reply

9.  valley says:

June 13, 2011 at 2:32 pm

Hi Holly,

thanks for these examples.

What would be the best approach to get the same results (let's say a SlideViewTransition effect) not for View components but for other visual components (e.g. Group elements) inside a SkinnablePopUpContainer container?

More concrete: in a SkinnablePopUpContainer i would like to swipe horizontally where the next component will slide in (let's say i have 5 different Group elements, but only one can be shown at the same time) on a mobile application.

Thanks for any hints.

Bests,
valley

Reply

◦  Holly Schinsky says:
June 13, 2011 at 3:15 pm

Hi Valley!

You could use an effect to do what you're trying to do. You can look in Tour de Flex samples for effects under the Flex 4 -> Components -> Effects category for the different types available in Flex 4 or the Flex 3 -> Flex Core Components -> Effects for some ideas. You could use the Move3D or Move for instance and just set the x value to move your target object horizontally based on some criteria and then change the target to the next one etc. If you come up with a custom solution that we could create a sample for in Tour de Flex, let me know and we'll get it added, thanks ☺!! Holly

Reply

▪  valley says:
June 14, 2011 at 4:36 am

Ok thank you for your answer, Holly.

I will check the examples and see if i

can create a dynamic solution of it (there can be 3 to 5 groups that have to be swipeable with changing content).

I let you know when i have a good solution.

Bests,
valley

Reply

10.  BigAI says:

June 29, 2011 at 11:08 am

It all works well, except there is a noticeable delay from the time pushView/popView is called until the transition starts. I compared with other apps on android (e.g. TweetDeck) and none of them have this delay.

Do you know how to set or remove this delay?

Reply

◦  Keith says:

July 30, 2011 at 12:08 am

BigAl,

Im developing an app for the iPad and noticed the same slow transition. Did you find a solution?

Keith

[Reply](#)

11.  *Jeff Winstron* says:

July 19, 2011 at 6:13 pm

Well done Holly. Excellent posting with well thought out explanations.

[Reply](#)

12.  *Fabrizio* says:

August 4, 2011 at 12:56 pm

Holly,

One question: is it true that the spark.transitions package is only available for a mobile app?

I am trying to build an air app using some of the spark.transitions but I can't seem to get FlashBuilder to find that package.

I would really appreciate an explanation.

THANK YOU

[Reply](#)

13.  *Andreas Dormann* says:

August 16, 2011 at 1:29 am

Hi Holly,

thanks for your example.

I've one problem with transitions: I've created a TabbedViewNavigatorApplication and want to flip between the ViewNavigators (not the views). In other words: A transition should appear, when the user clicks on a button in the tab bar. But this doesn't work. Any idea?

[Reply](#)



o *Holly Schinsky* says:

August 17, 2011 at 12:40 pm

Hi Andreas, you can't actually use the same ViewTransitions *between* the tabs, they are used within the ViewNavigator. However, I created a sample to show how you could use effects to achieve this and will try post it this week. You're essentially using the spark.effects classes (Wipe, Fade, Move etc) on the tabbedNavigator index changed event in your main TabbedViewNavigatorApplication:

```
tabbedNavigator.addEventListener(IndexChangeEvent.CHANGE, onChange);
```

then when that tab to use the transition on is selected, you can play your desired effect.

I will try to get my sample out in the next day or so to help.

Thanks!!

Holly

[Reply](#)

14.  *Chris Farrell* says:

August 16, 2011 at 3:24 pm

Hi Holly,

Thanks for all of your excellent posts. I am wondering if I can apply a transition to a TabbedViewNavigatorApplication, such that when the user selects a new tab, the transition is performed between the two tabs. I've been searching high and low and can not seem to figure this out. Thank you

for any insight.
Chris

[Reply](#)



o [Holly Schinsky](#) says:
[August 17, 2011 at 12:41 pm](#)

Hi Chris, See my reply to Andreas just now, I think you are looking for the same thing. I will try to get that sample out as soon as possible ~ thanks!! Holly

[Reply](#)



15. [bmanderscheid](#) says:
[August 20, 2011 at 10:19 am](#)

do we use change or changing to accomplish this effect from tab selections? I've been trying a few things from your suggestions and nothing seems to work.
Thanks

[Reply](#)



16. [bmanderscheid](#) says:
[August 20, 2011 at 10:20 am](#)

oh sorry, didnt realize these last posts were just yesterday ^
I'll wait for your example, thanks.

[Reply](#)



17. [Chris Farrell](#) says:
[August 20, 2011 at 6:23 pm](#)

I got it to work using the CHANGING event to determine direction (right or left) and binding each ViewNavigator's showEffect and hideEffect to functions that return the appropriate Move effect (based on direction determined) The binding is fired by show and hide handlers on each ViewNavigator that dispatch the custom binding event. This seems to work very well. However, if I over-stimulate the app by pressing the tabs quickly, I seem to be able to confuse the app pretty well such that some tabs get stuck in the selected position and some navigators show up in the wrong place. Might be able to mitigate via more robust lifecycle adherence, not sure. I also have a swipe gesture handler that is increasing/decreasing the tab index – and vicariously adopting the move effect. Prett cool!!

[Reply](#)



18. [bmanderscheid](#) says:
[August 20, 2011 at 6:34 pm](#)

@chris great tips, gonna play with that. I may hack in a timer to prevent sporadic tab clicking.

[Reply](#)



19. [bmanderscheid](#) says:
[August 20, 2011 at 6:35 pm](#)

@btw, are your views loading slow after hitting tabs?

[Reply](#)



20. [Amit](#) says:
[September 5, 2011 at 8:21 am](#)

Is there any way we can remove the default pushView() transition. as per my requirment i need to show a login page while while changing the tab. What i am doing is pushing the login view on selected tab's wiew navigator object which shows the default transition. i need to show the login view directly without animating.

Please help.

[Reply](#)

21.  *bmanderscheid* says:
September 5, 2011 at 9:53 pm

@Amit. Not sure if this is the appropriate way to do it, but I've had to create a transition like the ones showed here (I just use Slide) and set duration to 0. I'd love to hear if there is a better way.

[Reply](#)

22.  *Eric* says:
September 7, 2011 at 12:58 pm

Did you ever figure out how to do this on a TabbedViewNavigatorApplication ViewNavigator

[Reply](#)

23.  *nils* says:
September 26, 2011 at 8:53 am

Can you clarify on some events?
 I'm trying to use a fliptransition (which works). But on the view that is pushed the following events occur

Added-To-Stage
 Initialize
 Removed-From-Stage
 Added-To-Stage
 Removed-From-Stage
 Added-To-Stage

I'd like to use the Removed-From-Stage to remove any event listeners that are assigned to the view but with remove happening twice when the view is pushed, this doesn't feel right.

[Reply](#)

24.  *Mete Atamel* says:
October 13, 2011 at 4:45 pm

Great sample, thanks for putting this together!

[Reply](#)

25.  *Alaa Elsaman* says:
October 17, 2011 at 10:32 am

That was AWESOME, merry thanks to you.

[Reply](#)

26.  *Richelle Ramraj* says:
November 2, 2011 at 12:32 pm

Hi I am new to flex and I'm trying to build a mobile air application for Android and I wanted to know what's the difference between views and states? Currently I have a few states set up and I need to use google maps API for flash, and everywhere I have looked, people have set it up in a different view. My problem is that I need to access co-ordinates that are sent via LCCS and i'm not sure how it would work if the messaging is set up in the first view and the map is launched in the second view. I am trying to do it in the same view and displaying in another state, but it doesn't seem to do anything. Any advice would be appreciated, I understand it may be off topic and I apologise for that but I am very lost at the moment.

[Reply](#)

27.  *Kim Jensen* says:
December 4, 2011 at 11:09 pm

I would have been nice if you made the source available. I have no idea where to enter it in the mxml file. I tried to enter the

9/14/12

Flex 4.5 - Using Mobile View Transitions | Devgirls Weblog

"navigator.defaultPopTransition = new FadeViewTransition();" in the root, but I got an error where ever I placed it.
Cheers,
Kim

[Reply](#)

28.  James says:
[December 6, 2011 at 10:53 am](#)

Hi Hols

Everything is saying that the transitions are deprecated now in 4.6, but still work currently. What is the correct replacement? Doesn't seem to be any advice on that.

[Reply](#)

29.  Tiago says:
[August 17, 2012 at 9:22 am](#)

Well I have a question besides the transitions, is it possible to preserv a view on memory because every time we change views they are created again and again. The creationPolicy doesn't seem to affect the view itself

Thank you.

[Reply](#)

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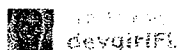
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Holly Schinsky is a Developer Evangelist at **Adobe Systems, Inc.**

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Answered Transition from page to page

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- Charles 

Posted on Nov 16, 2010 ([permalink](#))

I see in your sample code for the RadTransitionControl that you simply demo the transition using an image as the content for the transition control. Is it possible to use the transition effects when an application goes from page to page?

Specifically, my example would be a button on one page that, when clicked, navigates to a new page (where some data is loaded and displayed). Is it possible (and do you have examples) where the transition effect could be applied when navigating to the new page?

Thanks.

[Reply](#)



• **Answer Valentin.Stoychev** *Valentin.Stoychev*

Posted on Nov 16, 2010 ([permalink](#))

Hello Charles,

Yes - we support this. The control you need to take a look at is the RadPhoneApplicationFrame. It is used also in our Example solution for the page transitions.

In application initialization the RootVisual is set by default to PhoneApplicationFrame, you need to replace this with the *RadPhoneApplicationFrame*. Here is a code snippet and a sample project is attached – check the App.xaml.cs file and search for “Rad”.

```
private void InitializePhoneApplication()
{
    if (phoneApplicationInitialized)
        return;

    // Create the frame but don't set it as RootVisual yet; this allows the splash
    // screen to remain active until the application is ready to render.

    RootFrame = new RadPhoneApplicationFrame();
```

Please note that next week we will release a CTP2 of our controls which will contain a set of predefined transitions between the pages. The API will also slightly change.

If you need a pre-release binaries with the new API - please let us know.

Best wishes,
Valentin.Stoychev
the Telerik team

Check out [Telerik Trainer](#), the state of the art learning tool for Telerik products.

Attached files

- [windowsphoneapplication14.zip](#)

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• **Charles**

Posted on Nov 16, 2010 ([permalink](#))

That has to set a record for the fastest response ever! Thanks.

I was able to make it work in my application. I was not able to deploy the attached sample to see it in action, but adding the appropriate code to my app worked.

Just one follow-up. Is there any way to change the default transition? As I read the latter part of your reply, it sounds like the default plane projection transition is all there is when used this way. Is that true or can I change it prior to the release of CTP2 of the controls? (I can wait for now, so there wouldn't be a need to get an early release.)

[Reply](#)

• **Valentin.Stoychev** *Valentin.Stoychev*

Posted on Nov 16, 2010 ([permalink](#))

Hi Charles,

Yes - you will be able to change it. The current API is somewhat complex, but the new one that is coming is very simple and it just a matter of one line of code to select a predefined transition. It will be similar to this:

```
...
RootFrame = new RadPhoneApplicationFrame() { Transition = new RadSviwelTransition() }
....
```

With the code above the RadSviwelTransition is defined as an App wide transition for all pages. You will be able to specify a different transition for a specific pages by using attached properties. I'll write a long blog post about this next week, when the binaries are live.

All the best,
Valentin.Stoychev
the Telerik team

Check out [Telerik Trainer](#), the state of the art learning tool for Telerik products.

[Reply](#)

• **Charles**

Posted on Dec 9, 2010 ([permalink](#))

I was using the latest version of the page transitions, but they caused some issues with my page-to-page navigation.

It's a bit complicated to describe without uploading the entire project (which I can't do because it's my client's proprietary code), but I'll give it a try.

If I use code such as suggested

```
RootFrame = new RadPhoneApplicationFrame() { Transition = new RadSviwelTransition() }
```

Navigation through some of the transitions work fine. It is when I return to the starting page (by hitting the device back button) and then start over again that I encounter problems. Now, I do navigate to the same "details" page from two different areas, but this page is popped from the stack by pressing the device back button. (I've been extremely careful to monitor the pages and the stack and such and, in fact, once I take out the RadPhoneApplicationFrame and the transitions, everything works fine.)

The problem itself is the fact that using the back button does not get me to my previous page when using the transition and RadPhoneApplicationFrame. Instead, I get a flash of the current screen and a blank screen. Another press of the back button exits the application. This during the following scenario:

- Start page with two buttons - "My Profiles" and "Search Profiles".
- Press either button. The My Profiles navigates to a page with a list of profiles that are assigned to me. The Search Profiles navigates to a page that you can search for profiles on. Once you search, a list of profiles appears. Basically, both pages display a list of profiles.
- Now, in either of the lists, select a profile. This navigates to the same Pivot page with details related to the profile. (This is the page that is used in the same way by multiple sources.)
- Now press the device back button. This returns you to previous page. Again and you are back to start page with the buttons.
- Now press one of the buttons - "My Profiles" or "Search Profiles". Above steps are repeated creating a list of profiles.
- Click again on one of the profiles and you go to the details page.
- Here is where the trouble begins. Press back button - flash of details screen and blank screen.
- Press again and you are out of app.

Seems like it might be a bug in this early release. I hope I've been clear in my description.

[Reply](#)



• **Valentin.Stoychev** *Valentin.Stoychev*

Posted on Dec 15, 2010 ([permalink](#))

Hello Charles,

First of all - thank you for the detailed explanation - much appreciated!

We prepared a sample application and followed your steps, but we were unable to reproduce the issue. It seems we are missing something. We added one main page with links to two additional pages (Page1, Page2) that they both link to a third page (Page3). We followed the steps you describe, but was unable to find the issue.

Please find the project attached and let us know if you can reproduce it with it. If you can tweak it so the issue appears - please let us know.

Thank you in advance for your cooperation!

Greetings,
Valentin.Stoychev
the Telerik team

Check out [Telerik Training](#), the state of the art learning tool for Telerik products.

Attached files

- [WindowsPhoneApplication17.zip](#)

[Reply](#)

• **Charles**

Posted on Dec 16, 2010 ([permalink](#))

I looked at and tried out your sample. It did not exactly replicate what I am doing. For instance, it uses Hyperlink buttons with the navigation URI set in XAML where I used regular buttons and selections in a listbox to navigate using the NavigationService. Also, I have set the transition for the pages within the constructor of the RadPhone ApplicationFrame. Like this:

```
RootFrame = new RadPhoneApplicationFrame() { Transition = new RadTurnstileTransition() };
```

In any case, I have created a new project that does demonstrate the problem. I cannot attach it to this post as a zip file, so I will open a support ticket.

Once again, to replicate the behavior:

- 1) Main page has two buttons.
- 2) Press the Page One button. This navigates to a page with a big button on it marked "Go to Pivot".
- 3) Press that button and it brings you to the reusable Pivot page.
- 4) Navigate back to the Go to Pivot page.
- 5) Navigate back to the main page.
- 6) Press the Page Two button.
- 7) This brings you to another page that is identical to the first Go to Pivot page. (But it is a different page - not the reusable one.)
- 8) Press the big Go to Pivot button.
- 9) From the pivot page (the one that is targeted by each of the Go to Pivot pages) navigate back.
- 10) This is where the buggy behavior begins.

[Reply](#)



• **Valentin.Stoychev** *Valentin.Stoychev*

Posted on Dec 20, 2010 ([permalink](#))

Hi Charles,

Thanks for sending us the project - we identified the issue and a resolution is coming soon.

Kind regards,
Valentin.Stoychev
the Telerik team

Check out [Telerik Trainer](#), the state of the art learning tool for Telerik products.

[Reply](#)

- **Saitek**

Posted on Jan 15, 2011 ([permalink](#))

Here's how I'm able to get what I'm assuming is the same error. It happens every time, without fail with two different apps.

1. From the WP7 Start Screen open MyApp.
2. Once in, navigate to MyAppsubpage
3. Now press the Windows Key on your phone to go back to the Start Screen
4. Now press the Back Button
5. You are instantly returned to MyAppsubpage
6. Now press the Back Button again. Normally, (without the page transitions) this will return you to MyApp's mainpage, but with the transitions it kicks you out with "A first chance exception of type 'System.NullReferenceException' occurred in Telerik.Windows.Core.dll"

Attached is the call stack location.

Attached files

- [error.png](#)

[Reply](#)



- **Valentin.Stoychev** *Valentin.Stoychev*

Posted on Jan 17, 2011 ([permalink](#))

Hi Charles,

Thanks for sending this - we already fixed the issue internally - if you need the new binaries earlier than our next public release (in the beginning of February) - please let us know.

Kind regards,
Valentin.Stoychev
the Telerik team

Let us know about your Windows Phone 7 application built with RadControls and we will help you promote it. [Learn more>>](#)

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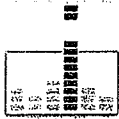
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Beautiful Information

Discovering patterns in knowledge spaces

Interfaces That Flow: Transitions as Design Elements

By Jonathan Follett

Published: April 26, 2007

Actively influencing a person's emotional state throughout an experience—in particular, his or her sense of anticipation, involvement, and desire for a certain outcome—is still an evolving concept in the realm of user interface design. However, this is very familiar territory for makers of music, film, television, and video games. While UX designers may not be storytellers, we can create more engaging product user experiences by learning from their examples.

"Actively influencing a person's emotional state throughout an experience ... is still an evolving concept in the realm of user interface design."

Many UX designers—myself included—approach projects from a combination of information architecture, information design, interaction design, and visual design perspectives. These disciplines and their methods are fundamentally different from those people use to construct the *continuous* linear narratives we see and hear in film, video, and music. However, as the technologies for creating interactive user experiences become more robust—especially in the realm of Rich Internet Applications (RIAs)—we have an opportunity to draw upon a much wider visual vocabulary. This will also make narrative elements such as timing, pacing, and rhythm increasingly important. Using such design elements may enable us to move users from mere understanding to engagement and, ultimately, to immersion in our digital products and services.

The Pause That Refreshes

The concept of a pause is lacking in many user interface designs. I'm not referring to an option to halt playback in midstream—as in an audio or video system—or the kind of delay users experience as a microprocessor churns through its calculations, but to a brief rest before the next step in a task. There is nothing more inorganic and unnatural than a system that has no state of rest.

"There is nothing more inorganic and unnatural than a system that has no state of rest."

Without question, the influence of the information age has decreased our attention span. We jump from link to link, from screen to screen. As UX

designers, we may have a picture in our minds of the users of a Web site or application—people who are harried and busy and just trying to get their tasks done. And it may be for such a person that we design user interfaces. At some point in their tasks, though, users must pause to take a breath.

When used appropriately, a pause can create anticipation, clear the decks, and remove the clutter that competes for a user's attention, enabling a user to more effectively focus on what comes next. The pause contributes to the effective pacing or flow of the user experience.

A great example of pacing at [Design by Fire](#), the blog of Andrei Michael Herasimchuk, uses a well-timed fade out/fade in transition between content selections (shown in Figures 1 and 2). Once a user clicks a menu item, the current content fades out, then the new content fades in. The transition provides a pause in the action.

Figure 1—The current content fades out

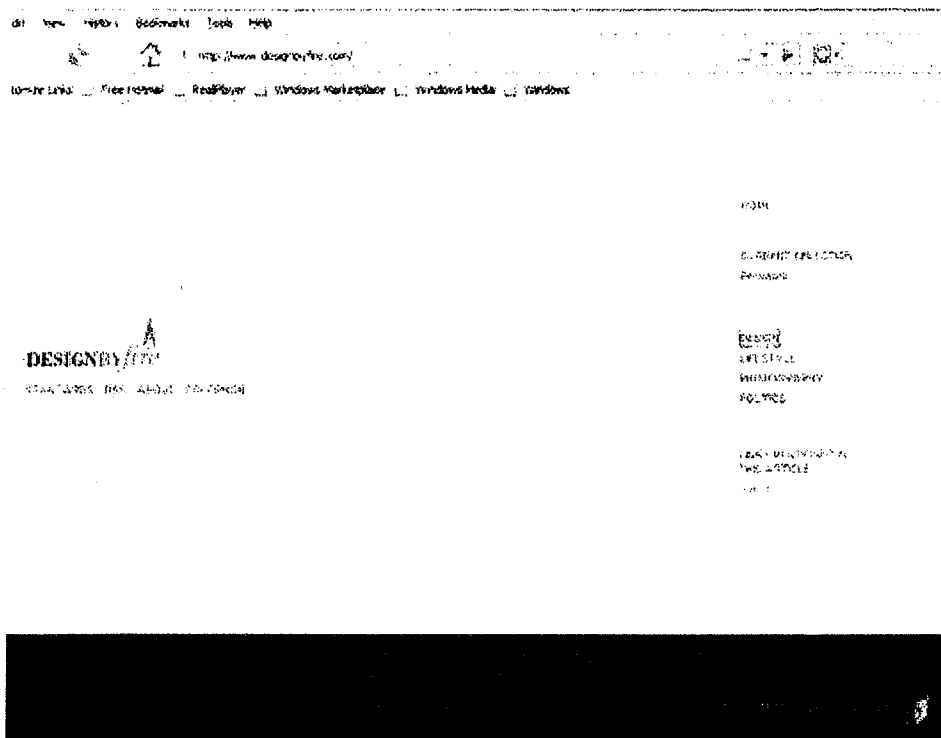
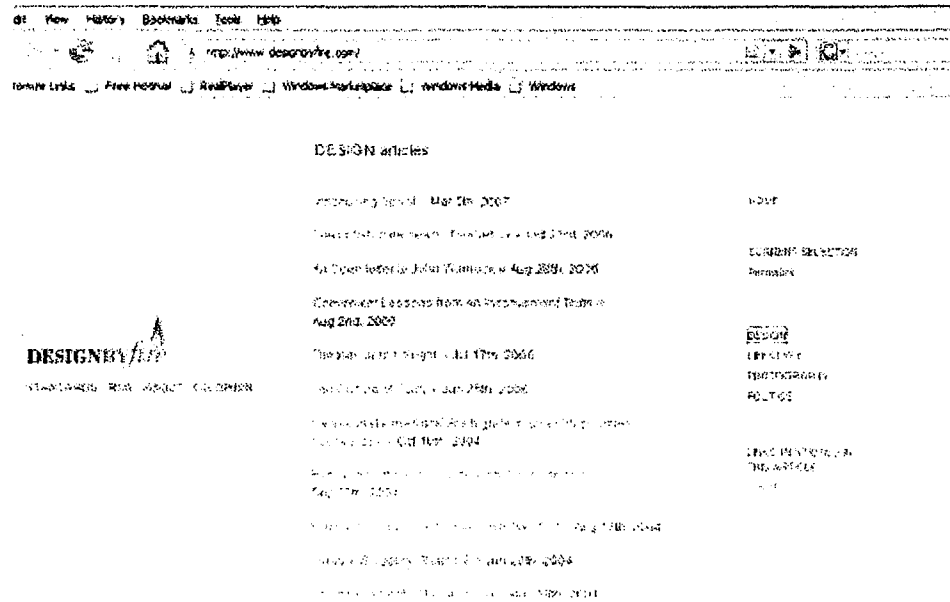


Figure 2—The selected content fades in



In most, if not all forms of human communication, we use a pause to indicate passage from one state to another. In writing, we have paragraph breaks; in graphic design, whitespace; in oratory, silence; and in user interface design, we have animated transitions.

Consistency and Continuity

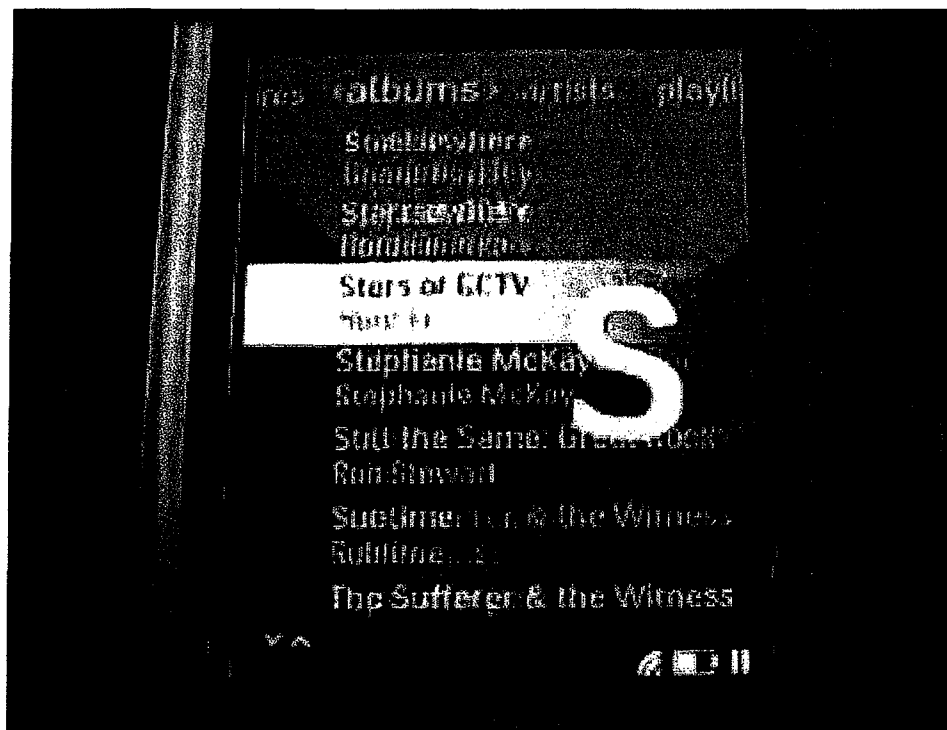
In the September 2004 article "Interfaces for Staying in the Flow,"  from the Association for Computing Machinery magazine *Ubiquity*, Benjamin B. Bederson, an associate professor at the Computer Science Department and past director of the Human-Computer Interaction Lab at the University of Maryland, writes:

"Another approach that can potentially be used to reduce users' sense of interruption is to use animation between screen states. While animation in general can be used in ways that are very disruptive, we have found that animation can be helpful if used to help users understand how the interface changes. The potential for this kind of animated transition is that it can reduce the cognitive overhead of understanding of the relationship between two screen states, thus enabling users to stay focused on the task."

The Zune™ user interface provides an elegant example of an animated transition connecting screen states. The scrolling transition in Zune makes it easy for users to know where they are in its song list. As a user scrolls through an impossibly long alphabetical listing of songs on a device, the list becomes a blur. To keep users oriented to their location in the list as they scroll, the user interface provides continuous feedback, flashing the appropriate letter of the alphabet as the names starting with

that letter pass by.

Figure 3—The scrolling transition in Zune



37signals popular project management Web application Basecamp™ offers another example of an animated transition that acts as a connector. When a user posts a new message, a yellow box initially highlights the message text, then fades out over time. The yellow highlighting effectively transitions the user from the input screen on which he posted his comment to the message board itself.

Figure 4—A yellow background highlights a newly edited message

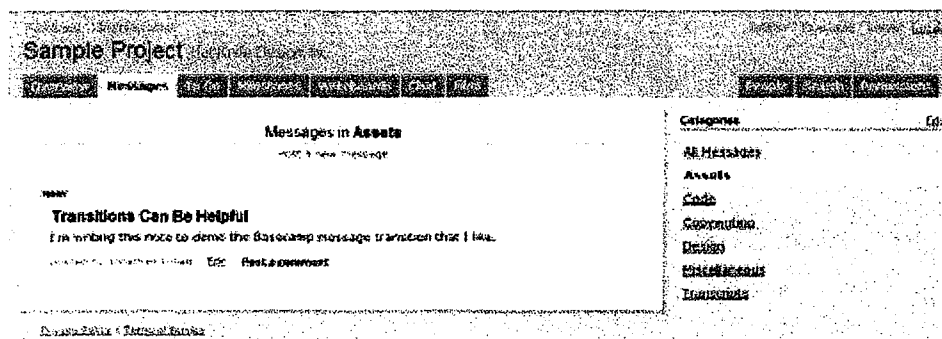
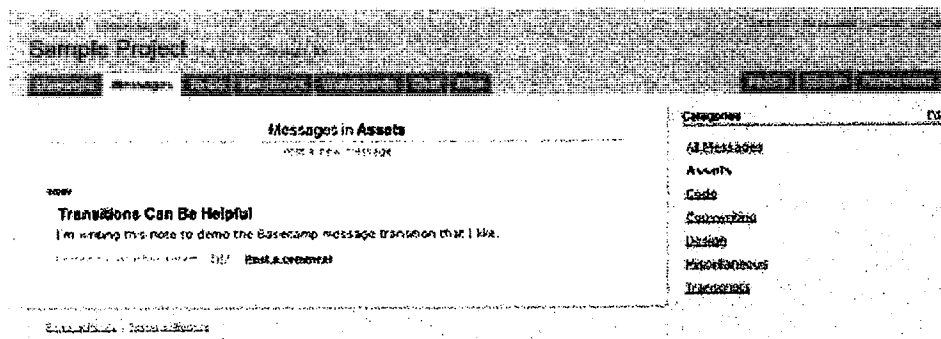


Figure 5—The highlight quickly fades away



Animated transitions can add a level of consistency to a user interface. Without smooth transitions, the jumps from state to state can be jarring to users, forcing them to reorient themselves to each new screen state.

Riding the Transition

It's even possible for an animated transition to be an integral part of a digital product's user experience. The online visual search application Grokker lets users view search results as an interactive diagram—a topical information map—and provides a great example of using transitions as a key component of a navigational system.

"It's even possible for an animated transition to be an integral part of a digital product's user experience."

Grokker search results appear within a large circle, containing smaller circles within its circumference. Each of these smaller circles represents a subtopic related to the search, and in turn, can contain a group of nested subtopics within its boundaries, and so on. To explore the search results, a user selects a subtopic, then drills down into the information, both figuratively and literally, as the user interface zooms in on the selected circle.

Not only does the zoom transition help keep the user oriented within the visual representation of the information space, it also enhances the search experience, providing an engaging visual metaphor for exploring results. Thus, the Grokker zoom transition is vital to the user experience of exploring search results.

Figure 6—Search results grouped within circles in Grokker

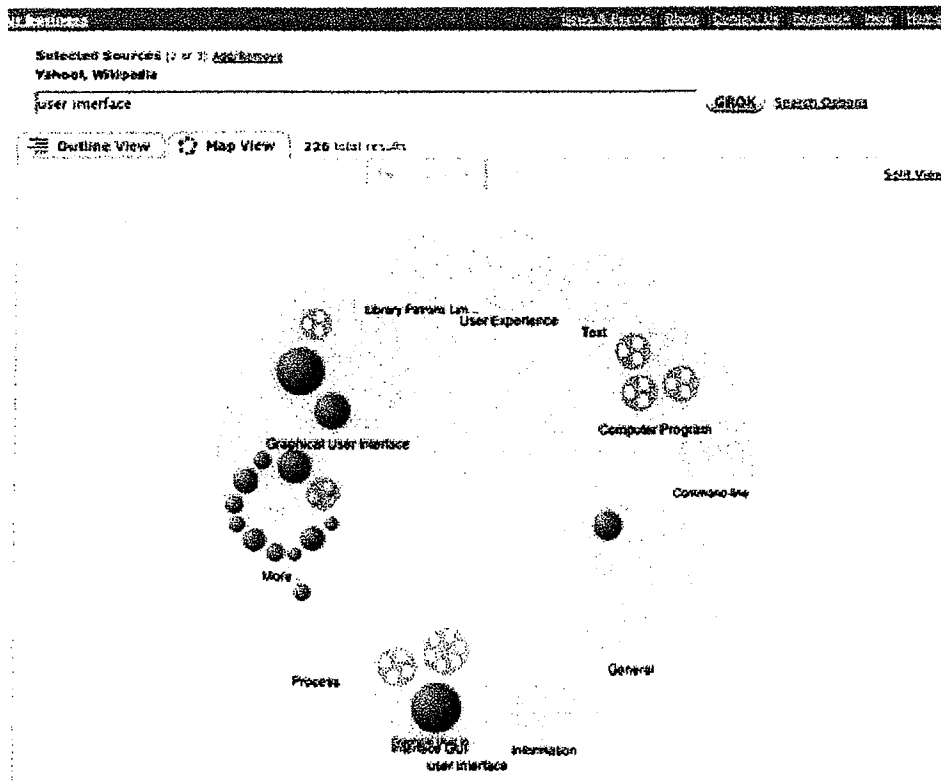
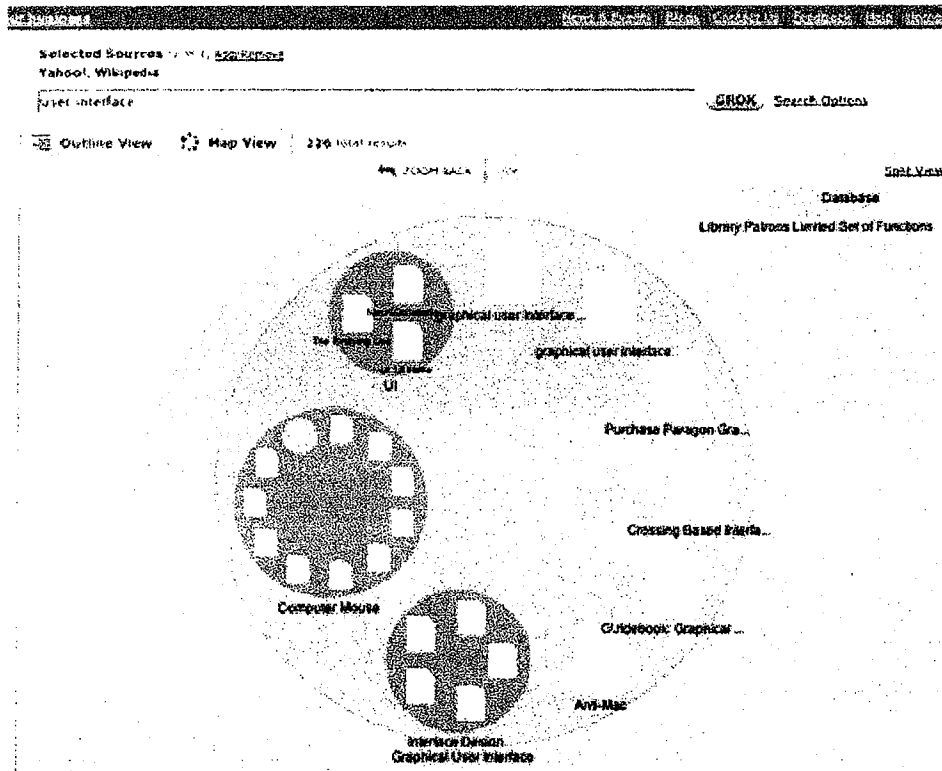


Figure 7—The Grokker zoom transition



About animated transitions, Jenifer Tidwell, author of *Designing Interfaces*, writes:

"... when the shift from one state to another is continuous, it's not so bad. In other words, you can animate the transition between states so it looks smooth, not discontinuous. This helps keep the user oriented. We can guess that it works because it more closely resembles physical reality—when was the last time you instantaneously jumped from the ground to 20 feet in the air? Less fancifully, an animated transition gives the user's eyes a chance to track a location while the view changes, rather than try to find the location again after an abrupt change."

The Rules of Engagement

There is a school of thought that says all animated transitions are bad. And, admittedly, there are innumerable pitfalls that one must avoid when transitions are poorly executed. Slow or overly elaborate transitions can ruin a user interface's response time, derail a task flow, and cause a user to wonder, "Is this thing broken?"

"There are innumerable pitfalls that one must avoid when transitions are poorly executed."

Once the creator of music or a film engages an audience, he can bring them along wherever he wants to take them. But user interface design is not storytelling, and our audience of users is self-directed. It's unlikely that most of the multidisciplinary practitioners who are responsible for information, interaction, and visual design will soon abandon wireframes and prototypes for scripts and storyboards. However, if UX designers can take advantage of the transition states between interactions and use animated transitions to introduce pacing to user interface design, we can help our audience connect more fully to their digital product user experiences. 

Topic: [Columns](#) | [Interaction Design](#)

Comments (10)

Maxim wrote:

Excellent article. Would love to find more examples/methods on how to bring the sense of physical reality to the digital world.

Posted on April 27, 2007 4:01 PM

Gary wrote:

Nice to hear others are grappling with the same issues I contend with daily. Great prose!

Posted on April 27, 2007 5:52 PM

Michael Zuschlag wrote:

It seems to me that effective use of animation in transitions is where it shows the relations among the old and new states, something that Grottker, does but Design by Fire does not. The former provides useful

hints to the users. The latter does nothing, but make users wait, whether they need to or not.

Personally, I get plenty of enforced pauses from slow Web servers and my rapidly becoming obsolete DSL connection, so I don't appreciate additional pauses mandated by the app. Among other problems, the feedback is less clear on whether I've successfully clicked the link. It also becomes really frustrating when clicking through a series of links looking for something specific. Rather than building a delay into our apps, maybe it's better to *signal* the user to pause where appropriate by breaking up our content and using whitespace.

The animation in Design by Fire might be acceptable if it showed the new content emerging from the link (relation between link and content), if it were faster (~200-500 ms) and if it were interruptible—for example, by clicking another link. Animation can make for a clearer interface but it shouldn't take control away from the user.

Posted on April 27, 2007 5:52 PM

Dave Kinsella wrote:

I recently had a similar issue with pauses in UX. I was asked to evaluate a virtual avatar—an animated chatbot, essentially, that was configured to provide business information in response to natural language requests.

The first thing that I found jarring was the speed of response. I was getting a couple of paragraphs of text returned almost immediately when I asked a question. Normally this would be a great thing, but it completely shattered the illusion that I was chatting to a human-like character.

I've suggested enforcing a 2-3 second pause between the question submission and the answer—possibly have the avatar look like it's thinking. I hope that it will improve the user experience, testing will tell...

Posted on April 29, 2007 12:20 AM

Jeff Woelker wrote:

Excellent discussion all. I agree that smooth transitions definitely make for a nicer user experience and also work toward the branding of your site. It's also worth mentioning that, if your competitors also are doing these kinds of transitions, it is imperative that you too address these concerns, as you will probably have similar or competing users visiting both sites.

The one place where I would say smooth transitions like this are not necessary is in banking or time critical information systems. I would rather have a quick transaction screen that confirms my time sensitive information has been added/updated as quickly as I would have expected. I think a smooth transition, as mentioned above, would make the transaction seem wishy washy—like it may not have happened.

Posted on April 30, 2007 3:56 PM

Karin wrote:

This article was a great read. In my work as an interaction designer, I've

recently been exploring ways of making the user grasp the interactions with an interface through the use of animated transitions. The rapid shift from action to result sometimes leaves the user confused, searching for clues in the screen to devise what happened. I've found Yahoo! design patterns an inspiration. Maybe you can find additional examples there.

Posted on May 1, 2007 8:33 PM

Jonathan Follett wrote:

Hi Everyone,

Thanks for your comments.

The factors that make a transition a success or failure in a design include, among others, both context and content. As Jeff pointed out, for time- or mission-critical information systems, users may want an immediate response, no matter how abrupt the state change may be. That being said, we've only begun to implement transitions into our digital designs. So, I wouldn't be surprised if there were possibilities yet to be discovered for transitions that will enhance time-sensitive applications and make them more usable.

All in all, if we focus on making users more comfortable in the digital world, our designs will be successful. I believe that judicious use of transition states can do just that.

Posted on May 5, 2007 3:48 PM

Barak Danin wrote:

Great article!

It discusses two major issues I had to tackle with my Web site (www.bitsoflove.net): pauses and animation speed.

The Web site presents a big cork board with photos and poems hanging on it. I wanted to create a very realistic experience, something that brings the real world into the digital one. Every element in the Web site, user interface (UI), and content, originated from a photograph.

When a photo or poem is clicked, a zooming-in transition animation takes place. I found the transitions to be crucial, without them users felt confused when the larger image appeared, even when a fade transition was used. The enlarged image is then blurry while the hi-res version is being loaded and is then fade-focused.

I had to decide: How fast should the zooming in be? How fast should the focusing be? How long should the site pause before it pushes new information to the user—like a flying note directing the user to another part of the site? I found myself constantly shifting between wanting to give the user rest and the need to satisfy the short attention span that, as you pointed out, most viewers have. It's never clear cut. I want to keep my audience with me, but I don't want to tire them; to overload them with information and details. I want to keep a real-life-object feeling with a simple UI, but don't want to bore the viewer while I'm at it. It takes a lot of usability testing with different types of users to fine-tune the

timing and speed.

Posted on May 7, 2007 12:12 PM

Corn WHM van Delft wrote:

No matter the interactivity or complexity of an application or service, from a user perspective, any encounter with the system is always a linear experience.

This is what I always try to keep in mind and tell my students: That insights from other linear media such as storytelling, music, game playing, and so on might give you insights and provide inspiration while designing an interactive system.

Corn van Delft

Interaction/E-learning/Game Designer & Developer & Teacher

Posted on May 22, 2007 2:04 PM

Oliver Wrede wrote:

Very good article!

We did a seminar over a year ago exploring the concept of "flowing/continuous" user experiences in interaction design.

If you can read some German, you may be interested in the supporting Weblog for that course.

Regards, Prof. Oliver Wrede

Posted on June 10, 2007 1:19 PM

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User Guide

**QUALCOMM QCP-2700/2700F
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Sprint PCS.SM

It's not just a better phone.

It's a better connection.SM

(LIT048 JUL97)
80-68295-1, Rev.

First things first: Call us to get activated.

Before you can use your new Sprint PCS Phone™, you need to open your Sprint PCS Account – in other words, activate your phone. You do that by calling 1-888-715-4588 (in Southern California, call 1-800-PCS-6699) from any phone other than your new Sprint PCS Phone. This call is toll-free.

Note: If a Sprint PCS Sales Representative has already activated your phone, then there's no need to place this call. Instead, see "How to unlock your phone" on the next page.

What you should know before you call.

- ▶ The call may take up to 30 minutes.
- ▶ A credit check will be run.
- ▶ Your Sprint PCS Phone will be ready for use about an hour after this call is finished.

What you should have handy.

- ▶ Your new Sprint PCS Phone
- ▶ The original packaging for your new phone
- ▶ Your billing address
- ▶ Your social security number or tax ID number

This phone will work only with service from Sprint PCS, which must be purchased separately. See Terms and Conditions of Services.

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Printed in the U.S.A.

► Your driver's license number

► Pen and paper to write down your new

Sprint PCS Phone Number

During this call, a Sprint PCS Customer Advocate will collect your information as well as help you select your Sprint PCS Service Features and a calling plan. Once you've made all your selections, the advocate will guide you through the activation process.

How to unlock your phone.

If you received your phone in the mail, you need to unlock it before you can begin making calls. Just follow these simple steps:

1. Turn on your phone.
2. Press the dial to select "UNLOCK."
3. Enter your four-digit lock code. (This code typically is the last four digits of your Sprint PCS Phone Number or the last four digits of your social security number.)

How to get help.

If you need help with this or anything else, we hope you'll call Sprint PCS Customer Care at 1-888-211-4PCS (4727).

In Southern California, call 1-800-455-4551. You also can press    from your activated Sprint PCS Phone (in Southern California, press    ). A Sprint PCS Customer Advocate will answer (24 hours a day) and be happy to assist you.

Our services are provided to you under certain terms and conditions – all of which are listed in the brochures included in the box your phone came in.

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Following safety guidelines.

- Using your phone near other electronic devices.
- Turn off your phone before flying.
- Restricting children's access to your phone.
- Turn off your phone in dangerous areas.
- Cautions.
- FCC notice.

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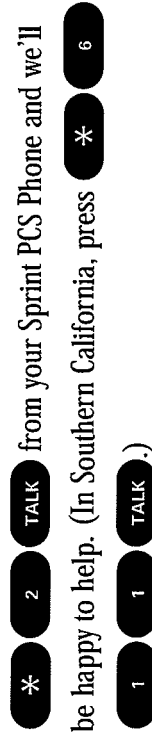
Introduction.

Congratulations on your purchase of a Sprint PCS Phone. This phone is quite versatile because it lets you make and receive calls in so many places:

- ▶ Anywhere within the nationwide Sprint PCS Network
- ▶ On other select PCS CDMA networks
- ▶ On analog cellular networks (that's the old cellular technology)

And although it comes standard with many exciting features, like voicemail, an internal phone book and Call Waiting, it's still so easy to use. Just follow the simple steps described inside.

Of course, you can always call us if you need any help. Just press

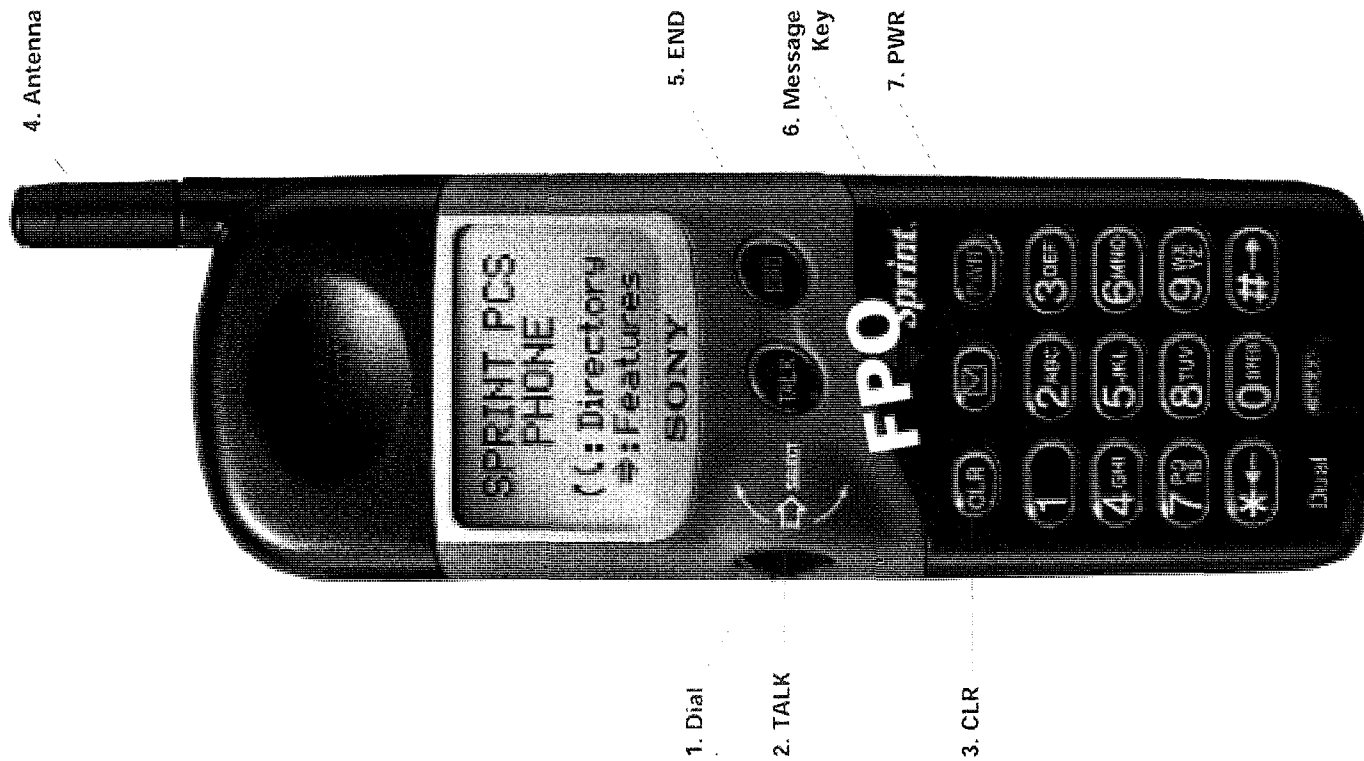


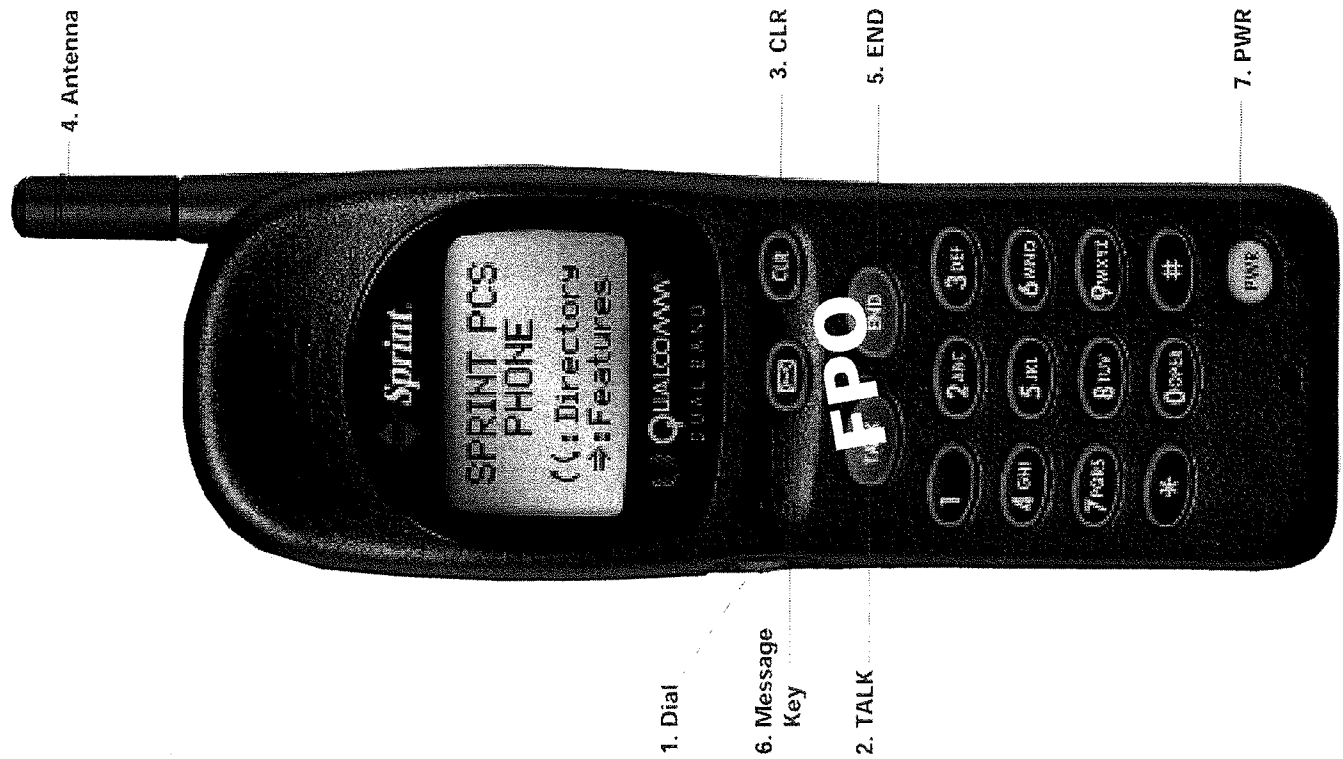
be happy to help. (In Southern California, press

Thanks for choosing Sprint PCS.

Getting to know your phone.

1. **Dial:** Lets you select menu options and features. Also lets you adjust the volume during a call.
2. **TALK:** Lets you place and receive calls.
3. **CLR:** Allows you to clear characters from the screen or back up menu levels.
4. **Antenna:** Makes the voice on the other end sound clearest when it's all the way up.
5. **END:** Lets you disconnect a call and return to standby mode.
6. **Message Key:** Lets you access your voicemail box and listen to your messages.
7. **PWR:** Turns the phone on and off.





QCP2700



QCP2700F

Function keys.

The following keys perform these functions when pressed during most procedures.



Use the dial to select options and perform actions indicated on the display. It can be scrolled up or down, or pressed in like a computer's mouse.

The dial also provides quick access to features like the internal phone book.



The message key lets you easily access voicemail messages.



This key lets you do lots of things:

- ▶ To erase one character from the display screen, briefly press it once.
- ▶ To erase all of them, hold it down for one second.
- ▶ To back up one menu level when you're accessing menu options, press it once.
- ▶ To revert to the standby display, hold it down for one second.



Press this key to place and receive calls, to access a second incoming call (from Call Waiting) or to initiate Three-Way Calling.



Press this key to disconnect a call. You also can press it to exit out of a menu and return to the phone's standby display.

Display indicators.

Different indicators are displayed based on the phone's operating mode.

XXX The three characters in the upper-left corner indicate the phone book memory location number (for example, L01), recent calls list number (for example, C07) and feature menu number (for example, F01).

D Indicates that your Sprint PCS Phone is operating in digital mode. If this indicator is not displayed, either your phone is operating in analog mode or no service is available.

Y.III Measures your current signal strength. More lines means more signal strength.

 This means the phone is outside service areas.

When this is displayed, you cannot use your phone.

 Tells you a call is in progress.

R If this indicator is not displayed, you are in the Sprint PCS Network. If it is displayed (it may or may not be flashing), you are on another service provider's network.

 Indicates when you have messages waiting.

 Shows the level of your battery charge. The more black you see, the greater the charge.

 You can move the dial up to scroll through menu options.

 You can move the dial shuttle down to scroll through menu items.

 Push the dial in to select menu items and features.

Using the battery.

Your Sprint PCS Phone comes with a rechargeable battery pack. Remember to fully charge your battery as soon as the charge becomes low in order to maximize your talk time and standby time.

Installing and removing the battery.

The battery pack snaps easily onto the back of the phone (bottom end first) for quick installation and removal. Make sure to turn the power off before removing the battery. Otherwise, you could lose stored numbers and messages.

Charging the battery.

You can tell whether or not your battery needs to be recharged just by checking the upper-right corner of your phone's display.

When the battery charge level gets low, the battery sensor will let you know by displaying the screen icon and sounding a tone. If the battery level gets too low, the phone will turn off automatically. If this happens, unfortunately, you'll lose whatever you were just doing. So watch that indicator and make sure your level is okay.

To charge your battery, you should use the standard AC adapter, or the optional dual port desktop charger, travel charger or rapid charging cigarette lighter adapter. Using unauthorized ones could cause damage. (The AC adapter is described in the next section. For more information on the desktop charger, travel charger and rapid charging cigarette lighter adapter, see the product user guide for each.)

Charging with the AC adapter.

Only use manufacturer-approved chargers and adapters with your Sprint PCS Phone. Using an unauthorized one could cause damage.

1. Plug the adapter into a wall outlet.
2. Plug the other end into the bottom of your Sprint PCS Phone, with the battery attached.

Charging a completely discharged standard Lithium Ion battery takes up to five hours.

If your phone is turned on, you'll see "CH" in the upper-left corner of the display. It's telling you that the battery is being charged. When the battery is fully charged, "FCH" will be displayed in the upper-left corner.

If your phone is turned off, the display will show charging status. "Battery is Charging" or "Charging is Complete" will be displayed.

Turning your phone on and off.

When you're ready to turn your Sprint PCS Phone on, check to see that the charged battery has been installed on the back of the phone or that you have external power (meaning the rapid charging cigarette lighter adapter, hands-free car kit, travel charger or AC adapter). Press **PWR** for a few seconds until you see "Looking for service" on the screen.

To turn your phone off, press **PWR** for a few seconds until "Powering Off" is displayed. Then release **PWR**. When your phone is turned off, nothing is displayed on the screen (unless you are charging your battery).

Note: If **PWR** is pressed for less than one second, the phone will not turn off. This keeps your phone from being turned off accidentally.

Standby status.

Standby is the most basic state of the phone. The phone goes into standby status soon after you turn it on or whenever you press **END**. When your phone is in standby status, you will typically see the banner (that's the message that's displayed when you turn on your phone). You'll also have access to the phone's directory and features.

Power Save mode.

Your Sprint PCS Phone comes with a Power Save feature that will be activated automatically if your phone hasn't been able to find a signal after 15 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display will let you know when the phone is operating in Power Save mode.

Basic functions.

Making a call.

Whenever you make a call, follow these simple steps:

1. First, check to see that your phone is on. If you see the display indicators on the screen, that means the power is on.
2. Enter a phone number.
3. To place the call, you can either press **TALK** or press the dial in twice. (If the phone is locked, the number is restricted or there is another problem, you will see a help message.)
4. When you're finished with your call, just press **END** to disconnect.

You can also make calls from your internal phone book (see page 36) or from your recent calls list (see page 49).

Correcting dialing mistakes.

If you make a mistake while dialing a phone number, press **CLR** to erase one digit at a time. You can delete the entire number at once by pressing **CLR** and holding it down for at least one second.

Answering calls.

Your phone must be turned on before you can receive calls. When your phone rings, press **TALK** to answer. You can adjust the ringer volume when you have an incoming call by turning the dial either direction. To disconnect the call when you're through, press **END**.

Where you can use your phone.

Your Sprint PCS Phone is dual band, which means you can use it to make and receive calls in many places:

- ▶ In any city where Sprint PCS provides service
- ▶ On select PCS CDMA networks (like the Sprint PCS Network) from other providers
- ▶ On conventional analog cellular networks

When you use your phone in any Sprint PCS Service Area outside your home service area, it's called traveling. You are charged a simple, flat rate for all travel calls you make and receive. When you use your phone outside the Sprint PCS Network, it's called

roaming. If you're roaming in areas where Sprint PCS has agreements in place with other PCS CDMA service providers, you will be charged the travel rate. If you're roaming in areas where Sprint PCS has agreements in place with conventional analog cellular providers, you will pay airtime plus long-distance charges, where they apply.

Note: In areas where Sprint PCS does not have roaming agreements in place, you will still be able to make emergency calls to 911 and calls billed to a credit card.

What you'll see.

You should always check your phone's display because it will let you know when you're outside the Sprint PCS Network and whether your phone is operating in digital mode. The chart below indicates what you will see, depending on where you're using your phone.

	D (Digital Indicator)	R (Roaming Indicator)
Sprint PCS Network	X	
Other PCS CDMA Networks	X	X
Analog Cellular		X ("Analog Roam" displayed)

Regardless of whether you're using your phone on or off the Sprint PCS Network, you should always dial numbers using 11 digits (1 + area code + number) when you make calls outside your Sprint PCS Home Service AreaSM. (This does not necessarily mean you'll be charged a long-distance rate.)

Calling experience.

When you use your phone on other PCS CDMA networks, your calling experience will be quite similar to what you experience when making calls from within the Sprint PCS Network. Although certain calling features may not be available, your phone calls are still private and secure, and in general, your call quality should be similar to what you experience with the Sprint PCS Network.

When you use your phone on analog cellular networks, your experience will be much different. Cellular roaming will be of the same quality provided by cellular carriers today. Although you will still have the convenience of being able to make and receive calls, there are some differences you can expect:

- ▶ You are more likely to experience static, cross-talk, fade-out and dropped calls.
- ▶ Some calling features that are standard within the Sprint PCS Network will be unavailable.
- ▶ You will experience the same security and privacy risks (eavesdropping and cloning) that exist with conventional cellular services today.
- ▶ Battery life will be shorter when you use your phone for cellular roaming than when you use it on a CDMA network.

If you are on the phone when you leave a Sprint PCS Service Area and enter an area where roaming is available (whether PCS CDMA or analog cellular), your call will be dropped. If your call is dropped in an area where you think Sprint PCS provides service, turn your phone off and then on again to speed acquisition of the Sprint PCS Network.

If you need customer service for any reason while using your phone outside the Sprint PCS Network, just dial **1 TALK 6 1** from your Sprint PCS Phone. However, because you're outside the Sprint PCS Network, you may reach the local service provider's customer service instead of Sprint PCS Customer Care. To be sure that you reach Sprint PCS Customer Care, dial 1-888-211-4PCS (4727).

Using Caller ID.

This feature tells you who is calling you on your Sprint PCS Phone by displaying their number when the phone rings. If a caller's name and number are stored in your internal phone book, the corresponding name is also displayed. If you call someone who has this feature, your Sprint PCS Phone Number will be displayed on their phone.

To block your Sprint PCS Number from being displayed for a particular outgoing call, just follow these steps:

1. Press *** 6 7**.

2. Dial the outgoing phone number and press **TALK**.

To block your Sprint PCS Phone Number from being displayed on all of your outgoing calls, just call Sprint PCS Customer Care by pressing *** 2 TALK** (in Southern California, press *** 6 1 1 TALK**). Once you have permanently blocked your number, you can release the block for a particular call. To do that, follow these steps:

1. Press *** 8 2**.

2. Dial the phone number and press **TALK**.

Responding to Call Waiting.

If you're in the middle of a call and you hear a beep, that means you have another call coming in. If you don't answer the call within 10 seconds, you will be reminded of the incoming call with a second beep. To put the first caller on hold and answer the second call, press **CLR** and then **TALK**. Press **TALK** again to switch back to the first call.

If you don't want to be interrupted during a particular call, you can temporarily disable Call Waiting. Just press *** 7 0** before dialing the number. Once you end that call, Call Waiting will be reactivated automatically. If you don't want to be interrupted during any of your calls, before making any more, press *** 2 TALK** (in Southern California, press

*** 6 1 TALK**) to call Sprint PCS Customer Care and have Call Waiting deactivated.

Using Three-Way Calling.

Three-Way Calling lets you talk with two different people at the same time. Simply dial your first number and press **TALK**. When you have connected, press **TALK** to put the first caller on hold. Next, dial the second number and press **TALK**. When you're connected, press **TALK** again to begin your three-way call. When you use this feature, you will be charged normal airtime rates for each of the two calls you make.

Using Call Forwarding.

With Call Forwarding, you can have all of your incoming calls forwarded to another phone number – even if your Sprint PCS Phone is turned off. When Call Forwarding is activated, you can still make calls from your Sprint PCS Phone. To activate Call Forwarding, follow these steps:

1. Press *** 7 2**.

2. Enter the area code and seven-digit phone number to which your calls should be forwarded.

3. Then press **TALK**. You will hear a tone that confirms you've activated Call Forwarding.

To deactivate Call Forwarding, press *** 7 2**.

. Once again, you'll hear a tone to confirm the deactivation.

Redialing calls.

To redial the last call you made from your Sprint PCS Phone, press . When the number is displayed, press  again. You also can redial any of your last 10 calls using your recent calls list (see page 49).

Getting your own phone number.

You probably don't call your own Sprint PCS Phone Number very often, so you may forget it. If you do, here's an easy way to get it:

1. Select "Features."
2. Scroll and select "Directory."
3. Scroll and select "My Number."

Note: If the short features menu is active, then simply select "Features" and then "My Number" to get your phone number.

Adjusting volume.

You can adjust the volume during a call by turning the dial. You can adjust the default setting for your phone's ringer, key beep and earpiece volume using the "SOUNDS" menu.

Locking the keypad.

To avoid accidental key presses, you can lock the keypad. However, you'll still receive incoming calls and messages. (This feature can be activated only when the phone is in standby mode.)

To lock your keypad, press and hold down the dial until you see the message that the keypad is guarded. To unlock your keypad, press   .

Note: If you have an incoming call, pressing  or    will answer the call and unlock the keypad.

Emergency dialing.

You can place calls to 911, or one of the other three emergency numbers that are in your emergency number list, even if your phone is locked. (For information on locking your phone, see page 31.) As long as you're within a service area (check your signal strength indicator), these numbers can be dialed.

Calling 911.

1. Dial   .
2. Press .

Note: Even if your account is restricted, you can still dial 911 (as long as you're within a service area) but no other emergency numbers.

Saving and editing emergency numbers.

You can save three phone numbers (in addition to 911) that can be dialed even if your phone has been locked. To save emergency numbers, follow the steps below:

1. Select "Features."
2. Scroll and select "Security."
3. Enter your lock code. (The default code typically consists of the last four digits of your phone number. To change your

lock code, see page 57.)

4. Scroll and select "EMERGENCY #."
5. Select "EDIT" to edit or enter the first emergency number, or scroll to other emergency numbers.
6. Select "SAVE" to save the entered number.

Dialing other emergency numbers.

If there's an emergency, you can still make calls to your stored emergency numbers even when your phone is locked.

1. Dial one of the other three emergency numbers stored in your emergency list. Your emergency numbers must be dialed exactly as stored – with or without the area code.

2. Press .

Dialing Sprint PCS Directory Assistance.

Dial     to obtain residential, business and government listings; to get help completing local or long-distance calls; or to obtain movie listings, hotel, restaurant and shopping information, and major local event information.

Dialing Sprint PCS Operator Services.

Dial  to obtain assistance in placing collect calls or calls billed to a local telephone calling card or a third party.

Setting up your voicemail.

To set up your voicemail, press and hold  for at least one second. Then enter "SPRINT" (777468) as your temporary pass code. We suggest you do this soon after you activate your Sprint PCS Account.

After entering that code, the voicemail system will prompt you to do these things:

- ▶ Create your own personal pass code. Make sure you pick a number that you will remember.
- ▶ Create the greeting that people will hear when they call you.
- ▶ Record your name announcement.
- ▶ Choose whether to activate One-Touch Access.

After you've set up your voicemail, it will automatically record messages whenever someone calls and you don't answer. Whenever you need to call your voicemail from another phone, dial your Sprint PCS Phone Number. When you hear your greeting, press  and enter your pass code.

Finding out you have a message.

Your Sprint PCS Phone alerts you when you have a new voicemail message in several ways: by displaying a message on the screen, by sounding five short beeps (if the ringer is turned on), by a flashing backlight, and by displaying  at the top of your screen. Your phone will continue to display  until you save or erase your new messages. You can have up to 30 new or saved messages and each can be stored for up to 30 days.

The phone book.

Your Sprint PCS Phone lets you store up to 99 names and phone numbers. Each entry can contain up to 32 digits, with an associated name of up to 12 characters. You can access your phone book in two different ways.

- ▶ When the phone is in standby mode, select “Phone List,” then “Phone Book.”
- ▶ Regardless of whether a call is in progress, select “Features,” then “Directory,” then “Phone Book.”

Saving numbers to the phone book.

You can save numbers in your internal phone book in two ways: while your phone is in standby mode or by accessing the “PHONE BOOK” menu. Follow the steps described below. (If you’re starting from standby mode, start with step 4.) Memory locations 1 through 9 should be used for One-Touch Dialing or your most commonly used phone numbers.

1. Select “Features.”
2. Scroll and select “Directory.”
3. Select “Save.”
4. Enter the phone number you want to save.

5. Select “Options.”

6. Select “Save.”

7. Enter a name to go with the number (up to 12 characters).

To enter a name, press the key labeled with the letter you want.

Pressing a key repeatedly will change the letter or number in

the flashing cursor position on the screen. (For example, press

2 once for “A.” Press 2 twice for “B.”) When you have the

correct letter or number in position on the screen, the cursor

automatically advances one space. Press  to correct any

mistakes. Turning the dial will move the cursor forward and

backwards.

8. Select “Save” to store the name.

9. Select “Save” at the “Save in location...” prompt to store

the number in the first available memory location. Or you can

scroll to select a custom store location and follow the

remaining “Save” prompts.

Punctuating names.

When storing or editing phone book memory locations, you can

use any of the nine punctuation characters. Press 1 until you see

the appropriate character. Punctuation characters are - ‘ ’ , &

() and :

Changing case during name entry.

When entering a name in a memory location, you can use both uppercase and lowercase letters. Press the appropriate number key until you see the letter and case you need. Lowercase follows uppercase.

Retrieving numbers from the phone book.

You can access the numbers in your internal phone book in several ways. When your phone is in standby, follow the steps described on the next page. (You can return the phone to standby by pressing **END**.)

Reviewing all memory locations.

Once you have stored numbers in your phone book, you can review all those numbers. To display the location number, name and phone number, follow these steps:

1. From standby, select "Phone List."
2. Scroll and select "Phone Book."
3. Scroll through the entries one at a time using the dial.
4. Select "Options" to see more information and the available options for that location.
5. To call the displayed number, press **TALK**.

Finding a number using a memory location.

1. Enter the one- or two-digit memory location of the number you want to find.
2. Select "Options."
3. Scroll and select "Recall Loc #."

Finding a number using a person's name.

1. From standby, select "Phone List."
2. Select "Find Name."
3. Enter the name of the person whose name you want to find.
You can enter two or more consecutive letters from the name if you don't want to enter the whole name.
4. Select "Find." The phone searches for names containing those consecutive letters and displays a list of matches.
5. Scroll through the list.
6. Select "Options" to see more information on a particular number or press **TALK** to make a call.

Finding a number when you know at least three digits.

You can look for a phone number if you know at least three consecutive digits.

1. Enter any three sequential digits from the phone number.
2. Select "Options."
3. Scroll and select "Find Number."
4. When the list of matching numbers is displayed, scroll to the one you're looking for.
5. Select "Options" to see more information on a particular number or press **TALK** to make a call.

Changing your phone book.

Erasing a stored number.

You have two options for erasing a number from your phone book. (For information on how to erase the entire phone book, see page 58.)

When you have the phone book number displayed that you want to erase, do the following:

1. Select "Options."
2. Scroll and select "Erase."
3. Confirm that you want to erase.

From the standby display:

1. Select "Features."
2. Select "Directory."
3. Select "Erase."
4. Scroll to find the entry you want to erase or enter its memory location.
5. Confirm that you want to erase.

Editing a stored number.

1. Select "Features."
2. Select "Directory."
3. Scroll and select "Edit."
4. Scroll to find the correct number, or enter its memory location number.
5. Select "Edit" to edit the entry.
6. You can edit the name, phone number or memory location.
 - ▶ Select "Name." To edit the name, use the digit keys to enter letters and **CLR** to delete letters. Use *****, **#** or turn the dial to move the cursor.
 - ▶ Select "Phone #." To edit the phone number, overwrite the numbers or use **CLR** to delete numbers. (If necessary, select "Options.")
 - ▶ Select "Location #." To edit the memory location, overwrite the numbers or scroll using the dial to choose a new memory location.
7. If necessary, select "Options."
8. Select "Save."

Dialing numbers from your phone book.

You can make a call using any memory location, either by One-Touch/Two-Touch Dialing or by pressing **TALK** while reviewing the full contents of the memory location.

Using Speed Dial.

You can dial numbers that are saved in your internal phone book by simply pressing a couple of keys. Just follow these steps:

1. Press the key(s) that correspond to the numeric memory location. For example, for memory location 10, press **1** **0**.
 2. Press **TALK**. The phone will find the number in the internal phone book, display it on the screen and place the call.
- One-Touch/Two-Touch Dialing.**

This feature enables you to dial phone book entries through one key press (for locations 1 to 9) or two key presses (for locations 10 to 99). You can turn on One-Touch Dialing through the "Touch Dial" item under the "Extras" menu (see page 56).

For memory locations 1 to 9:

Press and hold the appropriate key for 1.5 seconds. The display will confirm that the number has been dialed when it shows "CONNECTING"

For locations 10 to 99:

1. Press the first digit.
2. Press and hold the key for the second digit for 1.5 seconds.

Dialing from a memory list.

1. From standby, select "Phone List."
2. Scroll to and select "Phone Book."
3. Scroll to select the phone book memory location you want.
4. Press **TALK**.

Dialing from a phone book memory location.

While reviewing any memory location, press **TALK** or press the dial in twice.

Advanced phone book features.

Using the pause feature.

When you call automated systems (like voicemail or credit card calling), you are often required to enter a password or calling card number. Instead of entering the numbers manually each time, you can store the numbers in your phone book, separated by special characters called pauses. Then when you dial the stored numbers, you'll have to press the dial in to release the pause. (The screen will prompt you.) To insert pauses:

1. Enter the number to be dialed.
2. Select "Options."
3. Scroll and select "Enter Pause." (Pauses are represented on the phone's display by "P.")
4. Enter the number tones to be released after the pause (for example, a password or credit card number).
5. Dial or save the entered number.

Linking memory locations.

Linking is an extension of the pause feature. It allows you to release a series of numbers (such as calling card numbers or passwords). You can link multiple phone book memory locations together when a number is too long to be stored with pauses in a single location (a maximum of 32 digits can be stored in any single location). While dialing the number, you'll have to press the dial in to release the numbers in the linked memory location.

To insert links:

1. Enter the number to be dialed.
2. Select "Options."
3. Scroll and select "Enter Link." (Link dialing is represented on the phone's display by "L.")
4. Enter a one- or two-digit number corresponding to a phone book memory location. For example, enter "10" to release all of the numbers stored in memory location number.
5. Dial or save the number that you have entered.

Viewing a number.

If a phone book entry is too long to be displayed in its entirety on the phone's display, you can view all 32 digits by doing the following:

1. Recall a phone book memory.
2. Select "Options."
3. Scroll and select "View Number."

Restricting a stored phone number.

You can restrict a stored phone number so that it can't be displayed, dialed or erased unless you enter your lock code. To restrict a number, follow these steps:

1. Select "Features."
2. Scroll and select "Security."
3. Enter your four-digit lock code.
4. Scroll and select "Restrict #."
5. Enter the memory location of the number you want to restrict, or scroll to the appropriate location.

6. Select "Restrict."

To unrestrict a number, follow the same sequence.

Note: To restrict the entire phone book, select "Restrict All" in step five above.

The recent calls list.

Your Sprint PCS Phone maintains a list of the last 10 numbers for calls you made, accepted, missed or added. This recent calls list makes it easy for you to redial. Old entries will be bumped off the bottom of the list as new ones are added to the beginning of the list. You have two ways to access the calls list:

- ▶ In standby, select "Phone List," then "Calls List."
- ▶ During a call or in standby, select "Features," then "Directory," then "Calls List."

Depending on the operating mode and available features, each entry on the calls list may contain the phone number, name, length of the call and time stamp (when the call occurred). You may see one of the following entries when reviewing a calls list entry:

- ▶ **MISSED CALL:** Indicates an unanswered incoming call if Caller ID is available.
- ▶ **CALL FROM:** Indicates a call you received and answered if Caller ID is available.
- ▶ **CALL TO:** Indicates a call you placed.

- ▶ **ADDED:** Indicates that the number was added using the scratch pad feature.

Placing a call from the calls list.

When the calls list is displayed, you can place a call by pressing  or by pressing the dial in twice.

Calls list options.

When reviewing a particular call, select “Options” for additional information or options. You can select:

- ▶ “Save” to store the number in the phone book
- ▶ “Talk” to place a call
- ▶ “Duration” to find out the length of the call
- ▶ “View number” to see the complete phone number
- ▶ “Time/Date” to see the time and date of the call
- ▶ “Send Tones” to send/play the sounds associated with each entered number (for automated systems, such as credit card billing systems and voicemail systems).

Features menu.

Two different features menus let you check or change the different features and settings of your Sprint PCS Phone. The long menu includes every possible menu option. The short menu includes only the most frequently used and most important menu items. When the long features menu is active, the flashing number at the top left corner of the screen indicates the menu number.

Switching between short and long menus.

The menu trees on the next page indicate the content and structures of the short and long menu. To change to the short menu, just follow these steps:

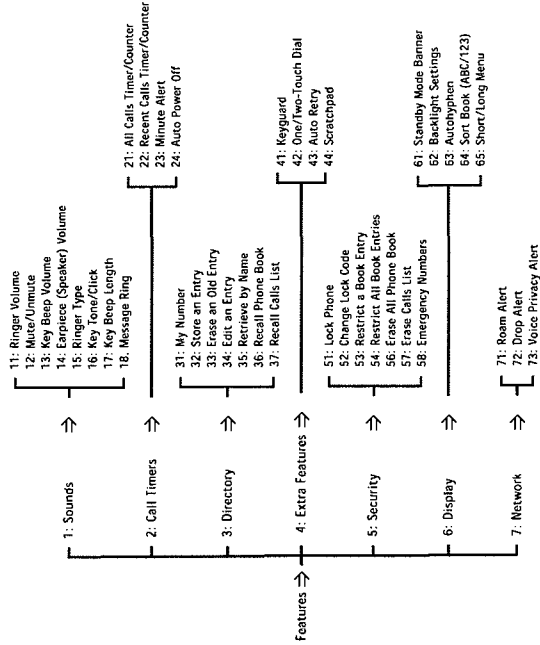
1. Select “Features.”
2. Scroll and select “Display.”
3. Scroll and select “Menu Length.”
4. Scroll and select “Short.”

To change to the long menu:

1. Select “Features.”
2. Scroll down to “Long Menu” (the last item in the list).
3. Select “Long Menu.”

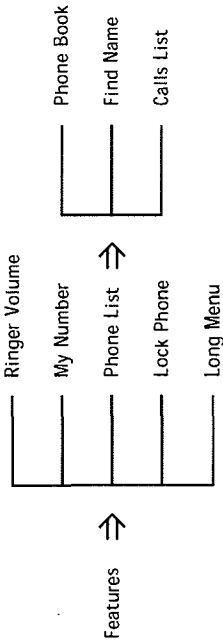
Long menu.

You can access all menu items using either the dial or the keypad. The blinking number in the upper-left corner indicates the menu number. The overall structure looks like this:



Short menu.

With the short menu, you must use the dial to access any menu item. Shortcut keypad entries don't work with the short menu. The short menu structure looks like this:



Long menu item descriptions.

Sounds (Menu 1):

This menu lets you adjust any sound-related feature on your Sprint PCS Phone.

- **RINGER VOLUME (Menu 11):** Adjust incoming call ringer and new message alert volume with ↑ or ↓. The “escalating” setting starts out quietly and gradually gets louder with each ring.
- **MUTE/UNMUTE (Menu 12):** Switch the microphone on and off during a call. When the microphone is off, the other party can’t hear you.
- **KEY BEEP VOLUME (Menu 13):** Adjust the volume that the keys make when you press them.
- **EARPIECE VOLUME (Menu 14):** Adjust the earpiece volume. Turning the dial during a call will adjust this setting as well.
- **RINGER TYPE (Menu 15):** Indicate how you want the ringer to sound by choosing from one of five options.
- **KEY SOUND (Menu 16):** Select either beep tones or click sounds.

- ▶ **BEEP LENGTH (Menu 17):** Choose key beep tone length (the length of the beeps you hear when you press a key). The “long” setting may be necessary for older answering machines or automated systems that require long key press tones to function properly.

- ▶ **MESSAGE RING (Menu 18):** Adjust audible alert for message notifications. Set this to “on” so your phone will beep five times whenever it receives a new message. Select “+ Reminder” if you want your phone to beep every two minutes until you acknowledge the new message. “Off” means you will only receive an alert message on your phone’s display.

Call Timers/Counters (Menu 2):

These features help you keep track of your airtime usage and make the most of your battery life.

- ▶ **ALL CALLS (Menu 21):** Displays length of all calls during the lifetime of the phone (in minutes and seconds) and the number of calls made. This information cannot be reset.
- ▶ **RECENT CALLS (Menu 22):** Displays length of all calls (in minutes and seconds) and number of calls. This information can be reset.
- ▶ **MINUTE ALERT (Menu 23):** Produces an audible alert 10 seconds before the end of each minute during a call.

- ▶ **AUTO-OFF (Menu 24):** Enables you to set the phone to automatically turn off after a specified time.

Directory (Menu 3):

This menu provides access to the phone number storage capabilities of the phone, including the phone book, recent calls list and your phone’s own number.

- ▶ **MY NUMBER (Menu 31):** Display your Sprint PCS Phone Number (see page 30).
- ▶ **SAVE (Menu 32):** Save entries to the phone’s memory locations (see pages 36–37).
- ▶ **ERASE (Menu 33):** Erase entries from memory locations (see page 41).
- ▶ **EDIT (Menu 34):** Edit entries in memory locations (see page 46).
- ▶ **FIND NAME (Menu 35):** Find stored numbers by entering in letters of the name (see page 39).
- ▶ **PHONE BOOK (Menu 36):** Find either a specific phone book entry or the entire list of phone book entries (see pages 38–39).

- ▶ **CALLS LIST (Menu 37):** Access the last ten calls made, received, missed or added. Also shows the duration and time/date of a call (see page 49).

Extras (Menu 4):

This menu lets you access various miscellaneous features.

- ▶ **KEY GUARD (Menu 41):** Lock the keypad so you won't accidentally press the keys (see page 31).
- ▶ **TOUCH DIAL (Menu 42):** Dial stored phone numbers by pressing and holding digit keys (see page 43).
- ▶ **AUTO-RETRY (Menu 43):** Set length of time that the phone waits before automatically redialing a number when a call attempt has failed. Busy-line tones through the ear-piece speaker are not necessarily considered call failures (if the call actually made it through the network only to encounter the called party's busy line).

- ▶ **SCRATCH PAD (Menu 44):** Enter a phone number and save it to the calls list.

Security (Menu 5):

Before you can access the settings on this menu, you must enter your four-digit lock code (typically the last four digits of your phone number).

- ▶ **LOCK PHONE (Menu 51):** When you use this option to lock your phone, only emergency calls can be made. When your phone is locked, "Unlock" is displayed.
- ▶ **NEW CODE (Menu 52):** Enter a new four-digit lock code. If you decide to change your lock code and then forget it, you will have to take your phone to the nearest Sprint PCS Center for assistance.
- ▶ **RESTRICT # (Menu 53):** Restrict (or unrestrict) a phone book entry so that it can't be displayed, searched for, dialed, erased or edited unless your phone's lock code is entered first.
- ▶ **RESTRICT ALL (Menu 54):** Restrict (or unrestrict) all stored phone book entries from display and dialing, as described above under menu 53. You can still manually enter and dial numbers.
- ▶ **MASTER RESET (Menu 55):** Reset all user settings back to the factory defaults, with the exception of the phone book and calls list.

- ▶ **ERASE BOOK (Menu 56):** Clear all phone book entries.
- ▶ **ERASE CALLS (Menu 57):** Clear all calls list entries.
- ▶ **EMERGENCY # (Menu 58):** Lets you enter three phone numbers that can be dialed even when the phone is locked.

Display (Menu 6):

These options let you customize how things will be displayed on your phone's display screen.

- ▶ **BANNER (Menu 61):** This option lets you customize text that is displayed on the first line of your phone's display screen when your phone is in standby.
- ▶ **BACKLIGHT (Menu 62):** Choose the time period setting of the display and keypad backlighting after any keypress is made.
- ▶ **AUTO-HYPHEN (Menu 63):** When you select this option, your phone automatically inserts hyphens so your numbers look like normal U.S. phone numbers (for example, "619-123-4567").

- ▶ **SORT BOOK (Menu 64):** Determines the order of your phone book memory entries. The "BY LOC #" setting will sort numbers sequentially (by their phone book location number) and the "alphabetic" setting will sort the entries alphabetically.

- ▶ **MENU LENGTH (Menu 65):** Select either the long or short features menu. The short menu only includes a few often-used items, while the long menu includes all of the many features of the phone. See page 52 for menu layout.

Network (Menu 7):

This menu lets you set network features.

- ▶ **ROAM ALERT (Menu 71):** Sounds an audible alert when roaming conditions occur.
- ▶ **DROP ALERT (Menu 72):** Displays text and sounds an audible alert when a call is dropped due to a signal fade. (This happens when you leave a service area.)
- ▶ **PRIVACY ALERT (Menu 73):** Displays text and sounds an alert when enhanced voice privacy is lost or regained during a call.

Usage guidelines: All about performance and safety.

Keeping tabs on signal strength.

First of all, the voice quality of your Sprint PCS Phone will always be at its best when the antenna is fully raised. If you're inside a building, reception may be better near a window.

The quality of each call you make or receive depends on the signal strength in your area. Your phone will inform you of the current strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. (See page 16 for an illustration of the signal strength indicators.)

Understanding Power Save mode.

If you're trying to use your phone in an area where the signal is too weak, the Power Save feature will automatically activate to conserve battery power when you've been unable to pick up a signal for 15 minutes. If your phone is on, it will periodically recheck service availability, or you can do so yourself manually by pressing any key. A message will be displayed on the screen any time Power Save has been activated.

Understanding how your phone operates.

Your Sprint PCS Phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. Your phone operates in the frequency range of 1.9 GHz and 800 MHz. When your phone is in use, the system handling your call controls the power level.

Radio frequency safety.

In 1991–1992, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted a hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

The design of the Sprint PCS Phone complies with these updated standards. Of course, if you want to limit RF exposure even further than the updated standard, you can choose to control the duration of your calls and operate your phone in the most power-efficient manner.

Maintaining your phone's peak performance.

To operate your phone properly – that is, to maintain safe and satisfactory service – you should follow these rules:

- ▶ For best reception, extend the antenna fully.
- ▶ Hold the phone with the antenna up and over your shoulder.
- ▶ Do not hold the phone antenna at any time.
- ▶ Do not use the phone with a damaged antenna.
- ▶ Speak directly into the mouthpiece.

Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, turn the power off immediately and remove the battery pack. If it is inoperable, you should return it to a Sprint PCS Center or call Sprint PCS Customer Care for service.

Only authorized personnel should service your phone and its accessories. Faulty service may invalidate the warranty.

Protecting your battery.

For best battery performance, you should follow these guidelines:

- ▶ Only use approved battery packs (model numbers TXBAT0121 and TXBAT0123 for Qualcomm models QCP-2700 and QCP-2700F; model numbers QN-S004BPLS and QN-S003BPLH for Sony model CM-B1201SPR) and desktop and travel chargers (model number TXDTC0110 for desktop charger; model number TXTVL0104 for travel charger). These chargers are designed to maximize battery life. Using other batteries or chargers will invalidate your warranty and may cause damage as well.
- ▶ To avoid damage, charge the battery pack only in temperatures that range from 32°F to 104°F (0°C to 40°C).
- ▶ Do not use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- ▶ Never dispose of the battery pack by incineration.
- ▶ Keep the metal contacts at the top of the battery pack clean.
- ▶ Do not attempt to disassemble or short-circuit the battery pack.
- ▶ You may need to recharge the battery pack if it has not been used for a long period of time.

- ▶ Replace the battery pack when it no longer provides acceptable performance. It can be recharged hundreds of times before it will need to be replaced.
- ▶ Do not store the battery pack in high temperature areas for long periods of time. Follow these storage rules:
 - Less than one month: -4°F to 140°F (-20°C to 60°C)
 - More than one month: -4°F to 113°F (-20°C to 45°C)

Using your phone while driving.

Talking on the phone while you're driving may divert your attention from the road. Besides that, it is illegal in some states. Remember, safety comes first.

When using your Sprint PCS Phone in the car:

- ▶ Focus on driving, not talking.
- ▶ Use your hands-free car kit.

If you must use the phone while driving, please use One-Touch Dialing and Speed Dial.

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

Disposal of Lithium Ion batteries.

You can return your unwanted Lithium Ion batteries. For the Sony Service Center nearest you, call 1-800-222-SONY. For the Qualcomm Service Center nearest you, call 1-619-651-4028.

Note: In some areas, the disposal of Lithium Ion batteries in household or business trash may be prohibited.

Following safety guidelines.

To operate your phone safely and efficiently, you should always follow any special regulations in a given area, and turn your phone off in areas where use is forbidden or when it may cause interference or danger.

Using your phone near other electronic devices.

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from PCS telephones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF signals. You should also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices (such as pacemakers and hearing aids) to determine if they are adequately shielded from external RF signals.

Turn off the phone in healthcare facilities and request permission before using the phone near medical equipment.

Turn off your phone before flying.

You should turn off your Sprint PCS Phone before boarding any aircraft. To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

Restricting children's access to your phone.

Your PCS phone is not a toy, and should not be played with by children. They could hurt themselves and others, damage the phone or make calls that increase your telephone bills.

Turn off your phone in dangerous areas.

To avoid interfering with blasting operations, you should turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn off your phone when you are in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Do not transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Cautions.

Any changes or modifications to your Sprint PCS Phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any other type will invalidate the warranty.

FCC notice.

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the telephone if such interference cannot be eliminated. If you need assistance, contact Sprint PCS Customer Care.

And last, but certainly not least, vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

The products and equipment described in the attached documentation are manufactured under one or more of the following U.S. patents:

4,901,307,	5,267,262,	D356,560,	5,469,115,	5,506,865,
5,056,109,	5,280,472,	5,408,697,	5,469,471,	5,509,015,
5,099,204,	5,283,536,	5,414,728,	5,471,497,	5,509,035,
5,101,501,	5,289,527,	5,414,796,	5,475,870,	5,511,067,
5,103,459,	5,307,405,	5,416,797,	5,479,475,	5,511,073,
5,107,225,	5,309,474,	5,426,392,	5,483,696,	5,513,176,
5,109,390,	5,337,338,	5,437,055,	5,485,486,	5,515,177,
5,193,094,	5,339,046,	D361,065,	5,487,175,	5,517,323,
5,228,054,	5,341,456,	5,442,322,	5,490,165,	5,519,761,
5,257,283,	5,383,219,	5,442,627,	5,497,395,	Other patents
5,265,119,	5,392,287,	5,452,473,	5,499,280,	pending.
5,267,261,	5,396,516,	5,461,639,	5,504,773,	

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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
HARRISON, Scott
Swindell and Pearson Ltd.
48 Friar Gate
Derby
DE1 1 GY
GB-
UNITED KINGDOM (GREAT BRITAIN)

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (*day/month/year*)
16 December 2011 (16.12.2011)

Applicant's or agent's file reference
SDH/25467PCT1

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.
PCT/FI2011/050739

International filing date (*day/month/year*)
25 August 2011 (25.08.2011)

Applicant
NOKIA CORPORATION et al.

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.
Filing of amendments and statement under Article 19:
The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70
For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.
2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
 - ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
 - ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4. **Reminders**
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.
For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

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Form PCT/ISA/220 (July 2010)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SDH/25467PCT1	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/FI2011/050739	International filing date (<i>day/month/year</i>) 25 August 2011 (25.08.2011)	(Earliest) Priority Date (<i>day/month/year</i>) 01 September 2010 (01.09.2010)
Applicant NOKIA CORPORATION et al.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed,
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☒ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 9b

- ☐ as suggested by the applicant.
☒ as selected by this Authority, because the applicant failed to suggest a figure.
☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI2011/050739

A. CLASSIFICATION OF SUBJECT MATTER

See extra sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04B, G06F, H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

FI, SE, NO, DK

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009/0267909 A1 (CHEN C et al.) 29 October 2009 (29.10.2009) [0005]-[0028], [0050]-[0054], [0061], [0076], [0080]-[0083], claims 1-26, figures 4A, 4B, 4C, 4D, 4E, 10D, 12	1-46
X	US 2007/0150842 A1 (CHAUDHRI I et al.) 28 June 2007 (28.06.2007) [0007]-[0012], claims 1-23	1, 10, 21
X	US 2009/0289916 A1 (DAI L) 26 November 2009 (26.11.2009) [0001]-[0006], claims 1-16	1, 10, 21
X	WO 2010/040670 A2 (TAT THE ASTONISHING TRIBE AB et al.) 15 April 2010 (15.04.2010) page 1: line 10-page 2: line 8, claims 1-35	1, 10, 21
X	US 2009/0006991 A1 (LINDBERG PJ et al.) 01 January 2009 (01.01.2009) [0005]-[0007], claims 1-20	1, 10, 21

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

12 December 2011 (12.12.2011)

Date of mailing of the international search report

16 December 2011 (16.12.2011)

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Form PCT/ISA/210 (second sheet) (July 2009)

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/FI2011/050739

Patent document cited in search report	Publication date	Patent family members(s)	Publication date
US 2009/0267909 A1	29/10/2009	TW 200945179 A	01/11/2009
		TW 200945178 A	01/11/2009
		TW 200945177 A	01/11/2009
		TW 200945176 A	01/11/2009
		TW 200945175 A	01/11/2009
		CN 101566921 A	28/10/2009
		CN 101566920 A	28/10/2009
		CN 101566919 A	28/10/2009
		CN 101566918 A	28/10/2009
		CN 101566917 A	28/10/2009
		US 2009271783 A1	29/10/2009
		US 2009271703 A1	29/10/2009
		US 2009288032 A1	19/11/2009
		US 2009271731 A1	29/10/2009
US 2007/0150842 A1	28/06/2007	US 2011296356 A1	01/12/2011
		EP 2299381 A1	23/03/2011
		AU 2010200661 A1	11/03/2010
		AU 2009100820 A4	01/10/2009
		KR 20090069344 A	30/06/2009
		US 2009241072 A1	24/09/2009
		HK 1124141 A1	04/06/2010
		KR 20080079333 A	29/08/2008
		WO 2007076210 A1	05/07/2007
		JP 2009521753 A	04/06/2009
		ES 2338370T T3	06/05/2010
		EP 2128782 A1	02/12/2009
		EP 1964022 A1	03/09/2008
		DE 212006000081U U1	21/08/2008 09/10/2008
		DE 112006003515T T5	21/04/2010
		CN 101697181 A	18/02/2009
		CN 101371258 A	05/07/2007
		AU 2006330724 A1	15/03/2010
		AT 460710T T	
US 2009/0289916 A1	26/11/2009	CN 101587398 A	25/11/2009
WO 2010/040670 A2	15/04/2010	EP 2344942 A2	20/07/2011
		CA 2739760 A1	15/04/2010
US 2009/0006991 A1	01/01/2009	KR 20100021007 A	23/02/2010

Form PCT/ISA/210 (patent family annex) (July 2009)

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/FI2011/050739

Patent document cited in search report	Publication date	Patent family members(s)	Publication date
		WO 2009004435 A2	08/01/2009
		EP 2174210 A2	14/04/2010
		CN 101828162 A	08/09/2010
.....			

Form PCT/ISA/210 (patent family annex) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI2011/050739

CLASSIFICATION OF SUBJECT MATTER

Int. Cl.
G06F 3/048 (2006.01)
G06F 21/00 (2006.01)

Form PCT/ISA/210 (extra sheet)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:
HARRISON, Scott
Swindell and Pearson Ltd.
48 Friar Gate
Derby
DE1 1 GY
GB-
UNITED KINGDOM (GREAT BRITAIN)

Date of mailing (*day/month/year*)
16 December 2011 (16.12.2011)

Applicant's or agent's file reference
SDH/25467PCT1

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/FI2011/050739

International filing date (*day/month/year*)
25 August 2011 (25.08.2011)

Priority date (*day/month/year*)
01 September 2010 (01.09.2010)

International Patent Classification (IPC) or both national classification and IPC
See supplemental box

Applicant
NOKIA CORPORATION et al.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

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Date of completion of this opinion
12 December 2011 (12.12.2011)

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Form PCT/ISA/237 (cover sheet) (July 2011)

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FI2011/050739

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
☒ the international application in the language in which it was filed.
☐ a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☒ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(a)).
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
☐ on paper
☐ in electronic form
 - b. (time)
☐ in the international application as filed
☐ together with the international application in electronic form
☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FI2011/050739

Box No. V Reasoned statement under Rule 43b/s.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>3, 7-9, 12, 16-18, 20, 25-27, 29, 35, 37, 39, 43</u>	YES
	Claims <u>1-2, 4-6, 10-11, 13-15, 19, 21-24, 28, 30-34, 36, 38, 40-42, 44-46</u>	NO
Inventive step (IS)	Claims _____	YES
	Claims <u>1-46</u>	NO
Industrial applicability (IA)	Claims <u>1-46</u>	YES
	Claims _____	NO

2. Citations and explanations:

2.1 Documents cited in the International Search Report

D1: US 2009/0267909 A1
D2: US 2007/0150842 A1
D3: US 2009/0289916 A1
D4: WO 2010/040670 A2
D5: US 2009/0006991 A1

Document D1 ([0005]-[0028], [0050]-[0054], [0061], [0076], [0080]-[0083], claims 1-26, figures 4A, 4B, 4C, 4D, 4E, 10D, 12) discloses user interface displaying method for e.g. personal digital assistant. The method involves organizing a set of computer programs and a web browser executable on an electronic device into a virtual book, where each page of the virtual book comprises a user interface of one of the computer programs and a web page displayed by the web browser. One of the pages is displayed as a destination page in response to operating action of a user on the electronic device such that the user interface and the web page of the destination page are accessible to the user. Flipping of the virtual book is displayed from a current page to the destination page. The method unifies the applications, widgets and web pages into the book pages, thus enabling the user to browse, use and manage the functions and services in intuitive and convenient manner.

Document D2 ([0007]-[0012], claims 1-23) discloses method of controlling an electronic device. The portable electronic device is maintained in a user interface lock state if a detected contact with a touch-sensitive display does not correspond to a predefined gesture. The portable electronic device is transitioned to a user interface unlock state if the detected contact corresponds to the predefined gesture. An image is moved corresponding to the user interface unlock state according to the contact. The method enables device to display visual cues of predefined gesture on touch screen to remind user of gesture, ensuring easy, efficient and user-friendly procedure for unlocking device.

Document D3 ([0001]-[0006], claims 1-16) discloses electronic device and method for switching between locked state and unlocked state. The electronic device has a processor which executes several instruction modules stored in storage device to receive several contacts with respect to predefined areas of touch sensitive display. The processor recognizes the sequence pattern of received contact and matches recognized sequence pattern with predefined sequence pattern stored in storage device. The electronic device is switched to unlocked state only if recognized sequence pattern matches predefined sequence pattern. Thus unintentional activation of electronic device can be prevented.

Document D4 (page 1: line 10-page 2: line 8, claims 1-35) discloses method for application launch and system function invocation. The method involves receiving a start area user input actuation from a start area e.g. corner, of a screen i.e. touch screen. An intermediate area user input actuation is received from an intermediate area of the screen. A target area user input actuation is received from a target area

Continued to next page

Supplemental Box

Continuation of: Box V (1 / 4)

of the screen when the target area is operatively connected with a launching application. A new start area coinciding with the target area is introduced when the target area is associated with a sub-choice. A new target area associated with the sub-choice is introduced. An activation event is executed. The method enables a user to easily recognize the start area and the target area without looking at the screen. The method enables a combination of a touch screen unlock mechanism and an application launch system to reduce the number of actions on the end user's part, so that time required for accessing applications and system functions can be drastically lowered, thus increasing ease-of-use for the end user. The method enables the user to learn to start applications and access system functions using muscle memory.

Document D5 ([0005]-[0007], claims 1-20) discloses method for unlocking a touch screen device. The method involves providing a touch screen device in an idle mode. An icon displayed on a screen of the device in the idle mode is contacted, and the icon is moved on the screen to reveal an application icon associated with an active or an unlocked state of the device. The icon is moved to an unlock region of the device to change a state of the device to an active or an unlocked mode and activate an application associated with the revealed application icon. An unlock function of the device is activated after moving the icon to the unlock region of the device. The method unlocks the device and moves directly to a desired user interface or application in an easy manner. The method enables the user to visualize the selected area, thus providing convenience for the areas close to one another. The method allows quick activation of high level user interface elements for passive information gathering when the device remains in the idle and locked mode.

2.2 Claimed invention

The application concerns an invention defined in independent claims 1, 10, 21, 22, 32, and 44.

Claim 1 defines a method comprising

- A1. receiving a translation input,
- A2. determining that at least one characteristic of the translation input meets at least one predefined criterion, and
- A3. in response to the determination, switching a computing device from a locked state into an unlocked state.

Claim 10 defines an apparatus comprising a processor and memory including computer program code, the memory and the computer program code configured to, working with the processor, cause the apparatus to perform at least the steps of a method of claim 1.

Claim 21 defines a computer program product comprising a computer-readable medium bearing computer program code embodied therein for use with a computer, the computer program code comprising code for performing the steps of a method of claim 1.

Claim 22 defines a method comprising

- B1. receiving a translation input,
- B2. determining whether at least one characteristic of the translation input meets a first set of one or more criteria, and
- B3. if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state, wherein
- B4. in said first state an application is in focus and a first display relating to the application is displayed, and
- B5. in said second state the application is not in focus.

Claim 32 defines an apparatus comprising a processor and memory including computer program code, the memory and the computer program code configured to, working with the processor, cause the apparatus to perform at least the steps of a method of claim 22.

Continued to next page

Supplemental Box

Continuation of: Box V (2 / 4)

Claim 44 defines a computer program product comprising a computer-readable medium bearing computer program code embodied therein for use with a computer, the computer program code comprising code for performing the steps of a method of claim 22.

2.3 Novelty under PCT Article 33(2)

Document D1 represents the most relevant prior art. Documents D2, D3, D4, and D5 are also cited as representing the relevant prior art.

2.3.1 Independent claims

Document D1, which is considered to represent the most relevant prior art, discloses user interface displaying method comprising receiving a translation input (A1), determining that at least one characteristic of the translation input meets at least one predefined criterion (A2), and in response to the determination, switching a computing device from a locked state into an unlocked state (A3) ([0012], [0053]-[0054], figures 4A, 4B, 4C, 4D, 4E). Document D1 also discloses the following features of claim 22; receiving a translation input (B1), determining whether at least one characteristic of the translation input meets a first set of one or more criteria (B2), and if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state (B3), wherein in said first state an application is in focus and a first display relating to the application is displayed (B4), and in said second state the application is not in focus (B5) ([0012], [0080]-[0082], figure 12).

Also document D2 discloses the following features of claim 1; receiving a translation input (A1), determining that at least one characteristic of the translation input meets at least one predefined criterion (A2), and in response to the determination, switching a computing device from a locked state into an unlocked state (A3) ([0074]-[0076], figures 5A, 5B, 5C). Document D2 also discloses the following features of claim 22; receiving a translation input (B1), determining whether at least one characteristic of the translation input meets a first set of one or more criteria (B2), and if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state (B3) ([0074]-[0076], figures 5A, 5B, 5C). The subject matter of claim 22 differs from the teachings of D2 in that in said first state an application is in focus and a first display relating to the application is displayed (B4), and in said second state the application is not in focus (B5).

Also document D3 discloses the following features of claim 1; receiving a translation input (A1), determining that at least one characteristic of the translation input meets at least one predefined criterion (A2), and in response to the determination, switching a computing device from a locked state into an unlocked state (A3) ([0020]-[0024], figures 2, 3, 4). Document D3 also discloses the following features of claim 22; receiving a translation input (B1), determining whether at least one characteristic of the translation input meets a first set of one or more criteria (B2), and if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state (B3) ([0020]-[0024], figures 2, 3, 4). The subject matter of claim 22 differs from the teachings of D3 in that in said first state an application is in focus and a first display relating to the application is displayed (B4), and in said second state the application is not in focus (B5).

Also document D4 discloses the following features of claim 1; receiving a translation input (A1), determining that at least one characteristic of the translation input meets at least one predefined criterion (A2), and in response to the determination, switching a computing device from a locked state into an unlocked state (A3) (page 4: lines 20-31, figures 7a, 7b, 7c, 7d). Document D4 also discloses the following features of claim 22; receiving a translation input (B1), determining whether at least one characteristic of the translation input meets a first set of one or more criteria (B2), and if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state (B3) (page 4: lines 20-31, figures 7a, 7b, 7c, 7d). The subject matter of claim 22 differs from the teachings of D4 in that in said first state an application is in focus and a first display relating to the application is displayed (B4), and in said second state the application is not in focus (B5).

Continued to next page

Supplemental Box

Continuation of: Box V (3 / 4)

Also document D5 discloses the following features of claim 1; receiving a translation input (A1), determining that at least one characteristic of the translation input meets at least one predefined criterion (A2), and in response to the determination, switching a computing device from a locked state into an unlocked state (A3) ([0023]-[0024], figure 2A). Document D5 also discloses the following features of claim 22; receiving a translation input (B1), determining whether at least one characteristic of the translation input meets a first set of one or more criteria (B2), and if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state (B3) ([0023]-[0024], figure 2A). The subject matter of claim 22 differs from the teachings of D5 in that in said first state an application is in focus and a first display relating to the application is displayed (B4), and in said second state the application is not in focus (B5).

The features defined in claim 1 are already disclosed in documents D1-D5, and the features defined in claim 22 are disclosed in document D1. Consequently, the subject matter of claims 1 and 22 is not novel. The same reasoning applies, mutatis mutandis, to the subject matter of the corresponding independent claims 10, 21, 32, and 44 which therefore are also considered not novel.

2.3.2 Dependent claims

The additional features set forth in dependent claims 2, 4, 11, 13, 28, 30, 38, and 40 are anticipated by D1 ([0014], [0023]), the additional features set forth in dependent claims 5-6, 14-15, 19, 31, and 41-42 are anticipated by D1 ([0005], [0026], [0053]-[0054], figures 4A, 4B, 4C, 4D, 4E), the additional features set forth in dependent claims 23, 33, 36, and 45 are anticipated by D1 ([0012], [0080]-[0082], figure 12), and the additional features set forth in dependent claims 24, 34, and 46 are also anticipated by D1 ([0083]). Thus, the subject matter of claims 2, 4-6, 11, 13-15, 19, 23-24, 28, 30-31, 33-34, 36, 38, 40-42, and 45-46 is not novel either.

The subject matter of claims 3, 7-9, 12, 16-18, 20, 25-27, 29, 35, 37, 39, and 43 is not anticipated by any of the cited documents. Therefore, the subject matter of claims 3, 7-9, 12, 16-18, 20, 25-27, 29, 35, 37, 39, and 43 is novel.

2.4 Inventive step under PCT Article 33(3)

The technical problem solved by the claimed invention is related to a method, apparatus, and computer program product for switching a device between two or more states based upon the characteristics of a received translation input.

2.4.1 Independent claims

D2, D3, D4, and D5 do not teach that in said first state an application is in focus and a first display relating to the application is displayed (B4), and in said second state the application is not in focus (B5). Therefore, with respect to D2, D3, D4, and D5, it is not considered obvious that in said first state an application is in focus, and in said second state the application is not in focus.

In view of D1, since the subject matter of independent claims 1, 10, 21, 22, 32, and 44 lacks novelty, it does not involve an inventive step either.

2.4.2 Dependent claims

In view of document D1, dependent claims 3, 12, 29, and 39 (cf. D1: [0053]-[0054], figures 4A, 4B, 4C, 4D, 4E), dependent claims 7-9 and 16-18 (cf. D1: [0076], figure 10D), dependent claims 25-27, 35, and 37 (cf. D1: [0012], [0061], [0080]-[0082], figure 12), and dependent claims 20 and 43 (cf. D1: [0005], [0050], [0080]) contain such features that are considered normal design options for a person skilled in the art.

Continued to next page

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FI2011/050739

Supplemental Box

Continuation of: Box V (4 / 4)

Consequently, the subject matter of dependent claims 3, 7-9, 12, 16-18, 20, 25-27, 29, 35, 37, 39, and 43 lacks an inventive step.

2.5 Industrial applicability under PCT Article 33(4)

Claims 1-46 meet the requirement of industrial applicability because the claimed subject matter can be made or used in industry.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FI2011/050739

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

Based on paragraph [0081] of the description, it is unclear what performing the translation input may cause the device to achieve.

The last words of paragraph [0084] of the description should read "... other applications ..."

According to the requirements of PCT Rule 10.2, the terminology and the signs shall be consistent throughout the international application. This requirement is not met with regard to the expression "transition input" in claims 4-5, 13-14, 30-31, and 40-41.

Claims 1, 10, 21, 22, 32, and 44 are not drafted in the two-part form in accordance with PCT Rule 6.3(b), which in the present case would be appropriate, with those features known from the prior art placed in the preamble (PCT Rule 6.3(b)(i)) and the remaining features included in the characterising part (PCT Rule 6.3(b)(ii)).

The features of the claims are not provided with reference signs placed in parentheses (PCT Rule 6.2(b)).

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FI2011/050739

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of: International Patent Classification (IPC)

Int.Cl.

G06F 3/048 (2006.01)

G06F 21/00 (2006.01)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
Jaatinen, Jussi
NOKIA CORPORATION
IPR Department
Keilalahdentie 4
FIN-02150 Espoo
FINLANDE

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 25 April 2013 (25-04-2013)	
Applicant's or agent's file reference NC77404WO	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/FI2012/051220	International filing date (day/month/year) 10 December 2012 (10-12-2012)
Applicant NOKIA CORPORATION	

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the International Search Report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70

For more detailed instructions, see PCT Applicant's Guide, International Phase, paragraphs 9.004 - 9.011.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. Following the expiration of 30 months from the priority date, these comments will also be made available to the public.

Shortly after the expiration of **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide, National Chapters*.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016	Authorized officer VIVIEN, Angélique Tel: +49 (0)89 2399-8764
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Form PCT/ISA/220 (July 2010)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference NC77404WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/FI2012/051220	International filing date (day/month/year) 10/12/2012	(Earliest) Priority Date (day/month/year) 12/12/2011
Applicant NOKIA CORPORATION		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant
☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 6a
☐ as suggested by the applicant
☒ as selected by this Authority, because the applicant failed to suggest a figure
☐ as selected by this Authority, because this figure better characterizes the invention
- b. ☐ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/FI2012/051220

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F3/0485 G06F3/0488 G06F3/0483
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2 284 646 A1 (APPLE INC [US]) 16 February 2011 (2011-02-16) paragraphs [0041] - [0054]; figures 9-18 paragraphs [0127] - [0131]; figure 28 -----	1-21
X	US 2010/095240 A1 (SHIPLACOFF DANIEL MARC GATAN [US] ET AL) 15 April 2010 (2010-04-15) paragraphs [0068] - [0099]; figures 1-7 -----	1-21
A	US 2010/235794 A1 (ORDING BAS [US]) 16 September 2010 (2010-09-16) paragraph [0149] -----	1,8,15

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

17 April 2013

Date of mailing of the international search report

25/04/2013

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Legrand, J

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/FI2012/051220

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2284646	A1	16-02-2011	CN 101133385 A 27-02-2008
			CN 101203821 A 18-06-2008
			EP 2284646 A1 16-02-2011

US 2010095240	A1	15-04-2010	CN 102099776 A 15-06-2011
			DE 112009001276 T5 12-01-2012
			DE 202009018283 U1 26-08-2011
			EP 2286325 A2 23-02-2011
			GB 2474153 A 06-04-2011
			GB 2492709 A 09-01-2013
			GB 2492710 A 09-01-2013
			US 2010095240 A1 15-04-2010
			WO 2009143076 A2 26-11-2009

US 2010235794	A1	16-09-2010	NONE

Form PCT/ISA/210 (patent family annex) (April 2005)

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/FI2012/051220

International filing date (day/month/year)
10.12.2012

Priority date (day/month/year)
12.12.2011

International Patent Classification (IPC) or both national classification and IPC
INV. G06F3/0485 G06F3/0488 G06F3/0483

Applicant
NOKIA CORPORATION

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0
Fax: +49 89 2399 - 4465

Date of completion of
this opinion

see form
PCT/ISA/210

Authorized Officer

Legrand, J

Telephone No. +49 89 2399-2547



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/FI2012/051220

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed
 - ☐ a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
 - ☐ on paper
 - ☐ in electronic form
 - b. (time)
 - ☐ in the international application as filed
 - ☐ together with the international application in electronic form
 - ☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	<u>1-21</u>
	No: Claims	
Inventive step (IS)	Yes: Claims	
	No: Claims	<u>1-21</u>
Industrial applicability (IA)	Yes: Claims	<u>1-21</u>
	No: Claims	

2. Citations and explanations

see separate sheet

Re Item V

Prior Art

- 1 Reference is made to the following document(s):
- D1 EP 2 284 646 A1 (APPLE INC [US]) 16 February 2011 (2011-02-16)
- D2 US 2010/095240 A1 (SHIPLACOFF DANIEL MARC GATAN [US] ET AL)
15 April 2010 (2010-04-15)
- D3 US 2010/235794 A1 (ORDING BAS [US]) 16 September 2010
(2010-09-16)

Article 6 PCT

- 2 The application does not meet the requirements of Article 6 PCT, because the claims are not clear.
- 2.1 In claim 1, the wording "the visual transition is proportional to the movement component" is unclear. It is unclear how a "transition" can be "proportional" to a movement. Clarifying this feature requires to specify which characteristics of the transition is proportional to which characteristics of the gesture. For the purpose of the following discussion, the claimed wording has been interpreted in view of the description (§72) as claiming that "the speed of the visual transition is proportional to the speed of the movement component"
- 2.2 Also in claim 1, the wording "non-display of the [...] screen" is also unclear. It is unclear what is actually displayed on the screen in the "non-display" states.
- 2.3 The same objections apply, mutatis mutandis, to the subject-matter of corresponding independent claims 8 and 15.

Article 33(3) PCT

- 3 Furthermore, the above-mentioned lack of clarity notwithstanding, the subject-matter of claim 1 does not involve an inventive step in the sense of Article 33 (3) PCT, and the criteria of Article 33(1) PCT are therefore not met.
- 3.1 Document D1 is regarded as being the prior art closest to the subject-matter of claim 1, and discloses:

An apparatus (§127: "hand-held device") comprising at least one processor (§127, fig. 28(602)) and at least one memory (§127, fig. 28(604)) including computer program code, the at least one memory and the computer program code configured to, with the processor, cause the apparatus to at least: provide for display of a first screen representing a first interactive content (§51: "various GUIs"); receive an input from a user comprising a movement component (§52: "sliding a finger (or stylus) across the display may cause a new page to be displayed."); and provide for a visual transition from the first screen to a second screen representing a second, different interactive content in response to the input (§51: "the different GUIs may be incrementally brought into view page after page") by applying a first graphical effect to the display of the first screen and applying a second graphical effect to the display of the second screen, the first graphical effect being different from the second graphical effect (§51: "The transition may also include fading in and out, popping in and out, or enlarging and reducing"), wherein the first graphical effect is indicative of a transition from display of the first screen to non-display of the first screen (§51: "fading out", "popping in", "reducing"), and wherein the second graphical effect is indicative of a transition from non-display of the second screen to display of the second screen (§51: "fading in", "popping out", "enlarging").

- 3.2 The subject-matter of claim 1 therefore differs from the disclosure of D1 only in that in claim 1 the speed of the visual transition is proportional to the speed of the movement component (see also § 2.1 above).

The speed of the visual transition only affects the cognitive process in the mind of the user and not the technical working of the device. Therefore, claim 1 does not satisfy at least the requirement for an inventive step (Art. 33(3) PCT) because it does not contain any **technical** contribution to the art and hence no objective **technical** problem can be formulated.

For the sake of completeness, it should be noted that even if a technical problem could be formulated, it is common in the art of touch sensitive displays to modify the scrolling speed proportionally to the speed of the corresponding movement (see for example D3, §149). Since the visual transition is an element of the scrolling process, it would be obvious to modify the speed of the visual transition accordingly.

- 3.3 The same objection applies, *mutatis mutandis*, to the subject-matter of corresponding independent claims 8 and 15.
- 3.4 It should be noted that the disclosure of D2 is also very relevant to the claimed subject-matter, see the passages and figures mentioned in the International Search Report.
- 4 The subject-matter of independent claims 8 and 15, which relates to a method and a computer programme product respectively corresponding to the apparatus of claim 1 does also not involve an inventive step (Article 33(3) PCT) and is therefore not allowable under Article 33(1) PCT for the reasons corresponding, *mutatis mutandis*, to those set out in § 3 above.
- 5 Dependent claims 2-7, 9-14 and 16-21 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of inventive step (Art. 33(3) PCT), the reasons being as follows:
- 5.1 Claims 2-4, 9-11, 16-18: D1 discloses a directional movement component (§52) and a fade effect (§51). The other claimed effects constitute mere aesthetical choices, which do not add any technical contribution to the art.
- 5.2 Claims 5, 6, 12, 13, 19, 20: the first and second interactive contents of D1 correspond to "alternative functionalities" (§51), therefore, they comprise different information and obey to different interaction rules (see also §50, fig. 9-17).
- 5.3 Claims 7, 14, 21: This is implicit in view of §51 of D1: "the different GUIs may be incrementally brought into view page after page".



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For any questions about
this communication:
Tel.: +31 (0)70 340 45 00

Date
09.09.13

Reference 25467EP2.DIV	Application No./Patent No. 13159696.3 - 1959 / 2620853
Applicant/Proprietor Nokia Corporation	

Communication

The extended European search report is enclosed.

The extended European search report includes, pursuant to Rule 62 EPC, the European search report (R. 61 EPC) or the partial European search report/ declaration of no search (R. 63 EPC) and the European search opinion.

Copies of documents cited in the European search report are attached.

☒ 0 additional set(s) of copies of such documents is (are) enclosed as well.

The following have been approved:

☒ Abstract ☒ Title

☐ The Abstract was modified and the definitive text is attached to this communication.

The following figure(s) will be published together with the abstract: 5

Refund of search fee

If applicable under Article 9 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.

Should you wish to further prosecute this application in the examination phase, your attention is drawn to the provisions of Rule 70a EPC. An invitation to respond to the extended European search report will be issued once the date of publication of the European search report has been mentioned in the European Patent Bulletin (R. 69(1), R. 70(2) EPC).





EUROPEAN SEARCH REPORT

Application Number
EP 13 15 9698

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2007/150842 A1 (CHAUDHRI IMRAN [US] ET AL) 28 June 2007 (2007-06-28) * abstract * * paragraph [0002] - paragraph [0012] * * paragraph [0099] - paragraph [0108]; figures 6-11 *	1-13	INV. G06F3/048
X	WO 2010/040670 A2 (TAT THE ASTONISHING TRIBE AB [SE]; JOHANSSON KARL-ANDERS [SE]) 15 April 2010 (2010-04-15) * the whole document *	1-13	
X	US 2009/006991 A1 (LINDBERG PHILLIP JOHN [FI] ET AL) 1 January 2009 (2009-01-01) * the whole document *	1-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			G06F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 August 2013	Examiner Vieira, Alexandre
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			

EP 13 15 9698 (2013.08.26)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 13 15 9698

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-08-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007150842 A1	28-06-2007	AT 460710 T	15-03-2010
		AU 2006330724 A1	05-07-2007
		AU 2009100820 A4	01-10-2009
		AU 2010200661 A1	11-03-2010
		CN 101371258 A	18-02-2009
		CN 101697181 A	21-04-2010
		DE 112006003515 T5	09-10-2008
		DE 212006000081 U1	21-08-2008
		EP 1964022 A1	03-09-2008
		EP 2128782 A1	02-12-2009
		EP 2299381 A1	23-03-2011
		ES 2338370 T3	06-05-2010
		HK 1124141 A1	04-06-2010
		JP 2009521753 A	04-06-2009
		JP 2012181847 A	20-09-2012
		JP 2013127800 A	27-06-2013
		KR 20080079333 A	29-08-2008
		KR 20090069344 A	30-06-2009
		US 2007150842 A1	28-06-2007
		US 2009241072 A1	24-09-2009
		US 2011296356 A1	01-12-2011
		US 2012023458 A1	26-01-2012
		US 2012293438 A1	22-11-2012
		US 2013185677 A1	18-07-2013
		US 2013185678 A1	18-07-2013
		US 2013185680 A1	18-07-2013
		US 2013190056 A1	25-07-2013
		WO 2007076210 A1	05-07-2007
WO 2010040670 A2	15-04-2010	CA 2739760 A1	15-04-2010
		EP 2344942 A2	20-07-2011
		US 2011316797 A1	29-12-2011
		WO 2010040670 A2	15-04-2010
US 2009006991 A1	01-01-2009	CN 101828162 A	08-09-2010
		EP 2174210 A2	14-04-2010
		EP 2575021 A2	03-04-2013
		KR 20100021007 A	23-02-2010
		KR 20120093413 A	22-08-2012
		US 2009006991 A1	01-01-2009
		US 2012124512 A1	17-05-2012
		WO 2009004435 A2	08-01-2009

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

The examination is being carried out on the **following application documents**

Description, Pages

1-23 as originally filed

Claims, Numbers

1-13 as originally filed

Drawings, Sheets

1/15-15/15 as originally filed

Reference is made to the following documents; the numbering will be adhered to in the rest of the procedure.

D1 US 2007/150842 A1 (CHAUDHRI IMPRAN [US] ET AL) 28 June 2007
(2007-06-28)

D2 WO 2010/040670 A2 (TAT THE ASTONISHING TRIBE AB [SE];
JOHANSSON KARL-ANDERS [SE]) 15 April 2010 (2010-04-15)

1 The present application does not meet the requirements of Article 52(1) EPC because the subject-matter of claims 1, 11 and 13 does not involve an inventive step within the meaning of Article 56 EPC.

1.1 Document D1 is considered to be the prior art closest to the subject-matter of the claims and discloses (the references in parentheses applying to this document):

- a method comprising:

- providing, when a computing device is in a locked state, a first function locus associated with a first application of the computing device, and a second function locus associated with a second application of the computing device (§[0104], figure 10, reference numbers 1002 and 1008);

- responding, if a user drags an icon between a further locus and the first function locus by providing a translation input between the further locus and the first function locus, by switching the computing device from the locked state into an unlocked state and activating the first application (§ [0105], figures 11A-11F); and
- responding, if the user drags an icon between a *different* further locus and the second function locus by providing a translation input between the further locus and the second function locus, by switching the computing device from the locked state into the unlocked state and activating the second application (§[0107], figure 11E).

The subject-matter of claim 1 therefore differs from this known D1 in that according to claim 1 both drags are initiated starting from the same further locus, whereas according to D1 each drag has its own starting locus.

It is however well known in the art to use the same locus to start a drag having a plurality of outcomes. This technique is disclosed e.g. in D2 for the same purpose of the application, namely to simultaneously unlock a device and launch a specific application. The skilled person would be aware of the disclosure of D2, and would have no difficulties in adapting the teaching of D1 to have both applications started by a drag initiated from the same locus, in order to address the problem of simplifying the interaction.

The subject matter of claim 1 can therefore not be considered to involve an inventive step, Article 56 EPC.

The same reasoning applies, *mutatis mutandis*, to corresponding independent claims 11 and 13, the subject matter of which is therefore also not inventive, Article 56 EPC.

- 1.2 For completeness, it is to be noted that the same finding of lack of clarity would be reached starting from D2 as closest prior art, the difference being then that no icon is dragged between the loci, and noticing that dragging an icon for the purpose of unlocking a device is well known, e.g. from D1.
- 2 Dependent claims 2-10 and 12 do not appear to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the EPC with respect to inventive step, since

all features of said claims are either also known from D1, or are mere design choices that the skilled person would consider without the exercise of an inventive step (Article 56 EPC).

2.1 Claims 2, 4-7: Known from D1, see figures 11A-11F.

2.2 Claim 3, 8: Known from D1, §[0101], "...visual cues of the unlock action..."

2.3 Claims 9, 10: Known from D1, §[0099], "...unlock image corresponding to an [...] incoming event."; §[0103].

3 When filing amended claims the following considerations should also be taken into account:

3.1 Independent claims are not in the two-part form in accordance with Rule 43(1) EPC, which in the present case would be appropriate, with those features known in combination from the prior art being placed in the preamble (Rule 43(1)(a) EPC) and with the remaining features being included in the characterising part (Rule 43(1)(b) EPC).

3.2 If, however, the applicant is of the opinion that the two-part form would be inappropriate, then reasons therefor should be provided in the letter of reply. In addition, the applicant should ensure that it is clear from the description which features of the subject-matter of the independent claims are already known in combination from the cited documents (see the Guidelines, F-IV, 2.3.2).

3.3 The features of the claims should be provided with reference signs placed in parentheses to increase the intelligibility of the claims (Rule 43(7) EPC). This applies to both the preamble and characterising portion (see the Guidelines, F-IV, 4.19).

3.4 Document D1 is very pertinent to the subject-matter of the present application. In filing new claims, the applicant is invited to specify in an accompanying letter what the difference is between the independent claim and D1, what the technical problem is that is to be solved by said difference, and why the proposed solution is not obvious to the skilled person.

4 When filing amended claims the applicant should also:

- bring the description into conformity with the amended claims. Care should be taken during revision, especially of the introductory portion and any statements of problem or advantage, not to add subject-matter which extends beyond the content of the application as originally filed (Article 123(2) EPC)

- identify document D1 in the description and briefly discuss the relevant background art disclosed therein (Rule 42(1)(b) EPC).

Electronic Patent Application Fee Transmittal

Application Number:	13889750			
Filing Date:	08-May-2013			
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE			
First Named Inventor/Applicant Name:	Phillip Lindberg			
Filer:	Christopher Jason Gegg/Joyce Smith			
Attorney Docket Number:	042933/427718			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt	
EFS ID:	19031259
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Christopher Jason Gegg/Joyce Smith
Filer Authorized By:	Christopher Jason Gegg
Attorney Docket Number:	042933/427718
Receipt Date:	14-MAY-2014
Filing Date:	08-MAY-2013
Time Stamp:	14:54:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	1122
Deposit Account	160605
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDS427718.PDF	337143	yes	5
			f6fbfb5f2546256918ebeca71c21c93376feb7f		
	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Transmittal Letter	1	1		
	Information Disclosure Statement (IDS) Form (SB08)	2	5		
Warnings:					
Information:					
2		1ART042933.PDF	7091475	yes	132
			a9174f227da2f901860c827143bb9532c08ce034		
	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Foreign Reference	1	10		
	Foreign Reference	11	72		
	Foreign Reference	73	110		
	Foreign Reference	111	132		
Warnings:					
Information:					
3		2ART042933.PDF	5735431	yes	125
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	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Foreign Reference	1	21		
	Foreign Reference	22	55		

	Foreign Reference		56	125	
Warnings:					
Information:					
4		3ART042933.PDF	6094702 a289703d092dd240072c7801a8e707ea550e4900	yes	115
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Non Patent Literature		1	6	
	Non Patent Literature		7	11	
	Non Patent Literature		12	21	
	Non Patent Literature		22	23	
	Non Patent Literature		24	32	
	Non Patent Literature		33	42	
	Non Patent Literature		43	84	
	Non Patent Literature		85	90	
	Non Patent Literature		91	99	
	Non Patent Literature		100	108	
	Non Patent Literature		109	115	
	Warnings:				
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30474 faf1c23c5a14070da65e39b1c5def60b46dcfa63	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			19289225		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Lindberg et al.	Confirmation No.:	1050
Appl. No.:	13/889,750	Group Art Unit:	2142
Filed:	May 8, 2013	Examiner:	O. R. Abdul-Ali
For:	UNLOCKING A TOUCH SCREEN DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)**

Attached is a list of documents on form PTO-1449 along with a copy of any cited foreign patent documents and non-patent literature document in accordance with 37 CFR 1.98(a)(2). Also enclosed is a translation or a concise explanation of each non-English language document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier.

The \$180.00 fee specified in 37 C.F.R. § 1.17(p) is being paid at the time of e-filing. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,



Guy R. Gosnell
Registration No. 34,610

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

10949 7590 05/20/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

EXAMINER

ABDUL-ALI, OMAR R

ART UNIT	PAPER NUMBER
----------	--------------

2142

NOTIFICATION DATE	DELIVERY MODE
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05/20/2014

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptomail@alston.com

Office Action Summary	Application No. 13/889,750	Applicant(s) LINDBERG ET AL.	
	Examiner OMAR ABDUL-ALI	Art Unit 2142	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1/23/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-20 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-20 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) ☒ Notice of References Cited (PTO-892) | 3) ☐ Interview Summary (PTO-413) |
| 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) | Paper No(s)/Mail Date. ____ |
| Paper No(s)/Mail Date <u>1/14</u> . | 4) ☐ Other: ____. |

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions. This action is in response to the response filed January 15, 2014. Claims 1-20 are pending and have been considered below.
2. Examiner Note: Applicant's arguments with respect to the rejection(s) of claim(s) 1-20 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Bodepudi et al. (US 2007/0016958).

Claim Rejections - 35 USC § 112

2. The following is a quotation of 35 U.S.C. 112(b):
(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 5 remains rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention. Claim 5 states, "wherein the movable object is a further icon". It is unclear what the applicant means by 'further icon'. 'Further icon' may be interpreted multiple ways and the examiner urges the applicant to clarify what the term 'further icon' encompasses. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 7-9, 12, 13, 16, 17, and 19 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by Bodepudi et al. (US 2007/0016958).

Claims 1, 13, and 19: Bodepudi discloses an apparatus, method, and medium, comprising:

- a. at least one processor (page 2, paragraph 24).
- b. at least one memory storing computer program code configured, working with the at least one processor, to cause at least the following to be performed: causing a display of a device to display an icon, relating to an application, when the device is in a locked mode (Figure 6; 622, 624; page 5, paragraph 51). A user may select an application to open while the device is still in a locked mode.
- c. enabling a user to select the icon while the device is in a locked mode, in order to determine a state, function or utility of the application while the device remains in the

locked mode (Figure 6; 622, 624; page 5, paragraph 51). A user may select an application to open while the device is still in a locked mode.

Claims 7 and 17: Bodepudi discloses an apparatus, method, and medium as in Claims 1 and 13 above, further comprising:

a. wherein the icon represents an application that is present or available in the device (page 5, paragraph 51).

Claim 8: Bodepudi discloses an apparatus as in Claim 1 above, further comprising:

a. wherein the computer program code is configured working with the at least one processor, to cause at least the following to be performed: causing the display to display another icon, relating to another application, when the device is in a locked mode (Figure 6; 622, 624).

Claim 9: Bodepudi discloses an apparatus as in Claim 8 above, further comprising:

a. wherein the another icon represents an application that is present or available in the device (page 5, paragraph 51).

Claim 12: Bodepudi discloses an apparatus as in Claim 1 above, further comprising:

a. wherein the apparatus is the device (page 5, paragraph 51).

Claim 16: Bodepudi discloses a method as in Claim 13 above, further comprising:

a. wherein a movable object is provided to enable the user to select the icon
(Figure 6, cursor 528).

Claim Rejections - 35 USC § 103

1. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis
for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 3-5, 11, 15, and 18 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Bodepudi et al. (US 2007/0016958) in view of Chiang et al. (US 2008/0184112).

Claims 3 and 15: Bodepudi discloses an apparatus and method as in Claims 1 and 13 above, but does not explicitly disclose wherein the computer program code is configured, working with the at least one processor, to cause at least the following to be performed: responding to user selection of the icon by illuminating or highlighting the icon. Chiang discloses a similar method that further discloses highlighting selected icons (page 4, paragraph 40). Therefore, it would have been obvious to one having ordinary skill to respond to a user selection of an icon by illuminating or highlighting the icon in Bodepudi, for the purpose of providing selection emphasis.

Art Unit: 2142

Claim 4: Bodepudi and Chiang disclose an apparatus as in Claim 3 above, and Bodepudi further discloses wherein a movable object is provided to enable the user to select the icon (Figure 6, cursor 528).

Claim 5: Bodepudi and Chiang disclose an apparatus as in Claim 4 above, and Bodepudi further discloses wherein the movable object is a further icon (Figure 6, cursor 528).

Claims 11 and 18: Bodepudi discloses an apparatus as in Claims 1 and 13 above, but does not explicitly disclose wherein the display is a touch screen display, and enabling a user to select the icon comprises enabling the user to select the icon using the touch screen display. Chiang discloses a similar method that further discloses selecting icons using a touchscreen (page 2, paragraph 23). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to enable the user to select an icon using a touch screen display in Bodepudi, for the purpose of increasing operator efficiency.

3. Claims 2, 6, 14, and 20 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Bodepudi et al. (US 2007/0016958) in view of Chaudhri et al. (US 2007/0150842).

Claims 2, 14, and 20: Bodepudi discloses a method as in Claims 1, 13, and 19 above,

but does not explicitly disclose wherein the icon is a dimmed icon. Chaudhri discloses a similar method that further discloses the use of dimmed icons on a locked display (page 8, paragraph 85). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include a dimmed icon in Bodepudi, for the purpose of indicating application state.

4. Claim 6 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Bodepudi et al. (US 2007/0016958) in view of Chiang et al. (US 2008/0184112) and further in view of Chaudhri et al. (US 2007/0150842).

Claim 6: Bodepudi and Chiang disclose an apparatus as in Claim 3 above, however neither reference explicitly disclose wherein the icon is highlighted or illuminated to a lesser extent than that associated with a standard mode setting. Chaudhri discloses a similar method that further discloses the use of dimmed icons on a locked display (page 8, paragraph 85). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to highlight or illuminate an icon to a lesser extent than that associated with a standard mode setting in Bodepudi for the purpose of increasing operator efficiency.

5. Claim 10 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Bodepudi et al. (US 2007/0016958) in view of Zerhusen et al. (US 2007/0120689).

Claim 10: Bodepudi discloses an apparatus as in Claim 8 above, but does not explicitly disclose wherein the another icon indicates that the another application is not

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activatable when the device is in the locked mode. Zerhusen discloses a similar method that further discloses providing an indication that an application is not activatable when the device is in a locked mode (Figure 54; '689'). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to indicate that another application is not activatable when the device is in the locked mode in Bodepudi, for the purpose of indicating unavailable functions.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OMAR ABDUL-ALI whose telephone number is (571)270-1694. The examiner can normally be reached on Monday-Friday 10:30-7:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Stevens can be reached on 571-272-4102. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2142

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/OMAR ABDUL-ALI/
Primary Examiner, Art Unit 2142

Application/Control Number: 13/889,750
Art Unit: 2142

Page 10

Notice of References Cited	Application/Control No. 13/889,750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.	
	Examiner OMAR ABDUL-ALI	Art Unit 2142	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2007/0016958	01-2007	Bodepudi et al.	726/027
*	B	US-2008/0184112	07-2008	Chiang et al.	715/700
*	C	US-2007/0150842	06-2007	Chaudhri et al.	715/863
*	D	US-2007/0120689	05-2007	Zerhusen et al.	340/573.1
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Index of Claims</i> 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	10/01/2013	05/01/2014						
	1	✓	✓						
	2	✓	✓						
	3	✓	✓						
	4	✓	✓						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	✓						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18	✓	✓						
	19	✓	✓						
	20	✓	✓						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	137	"715"/\$.ccls. and locked with icon and @ad<"20090629"	US-PGPUB; USPAT	ADJ	OFF	2013/09/27 15:28
S2	1	("20070150842").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/09/27 16:14
S3	1	"715"/\$.ccls. and lockscreen with icon and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/27 16:18
S4	3	"715"/\$.ccls. and lock screen with icon and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/27 16:19
S5	0	"715"/\$.ccls. and lock screen with dim\$3 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:20
S6	0	"715"/\$.ccls. and lock screen same dim\$3 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:20
S7	2	"715"/\$.ccls. and lock with icon same dim\$3 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:21
S8	3	"715"/\$.ccls. and lock with icon same transpar\$5 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:47
S9	0	"715"/\$.ccls. and lockscreen with icon same transpar\$5 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:48
S10	0	"715"/\$.ccls. and lockscreen same transpar\$5 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:48
S11	36	"715"/\$.ccls. and lock same transpar\$5 and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:49
S12	2	"715"/\$.ccls. and lockscreen and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:50
S13	106	"715"/\$.ccls. and locked near2 (device or phone or handset) and (transpar\$4 or transl\$4 or opa\$4) and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:57
S14	1	"715"/\$.ccls. and locked near2 (device or phone or handset) same (transpar\$4 or transl\$4 or opa\$4) and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:57
S15	106	"715"/\$.ccls. and locked near2 (device or phone or handset) and (transpar\$4 or transl\$4 or opa\$4) and	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:58

		@ad< "20090629"				
S16	3	"715"/\$.ccls. and locked near2 (device or phone or handset) and (transpar\$4 or translus\$4 or opa\$4) with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 01:58
S17	7	"715"/\$.ccls. and locked near2 (device or phone or handset) and (dimmed) with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:01
S18	2	"715"/\$.ccls. and locked near2 (device or phone or handset) same highlight with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:08
S19	2	"715"/\$.ccls. and locked near2 (device or phone or handset) same illuminat\$3 with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:09
S20	2	"715"/\$.ccls. and locked same illuminat\$3 with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:09
S21	0	"715"/\$.ccls. and lock same illuminat\$3 with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:09
S22	7	"715"/\$.ccls. and lock same highlight with icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:09
S23	29	"715"/\$.ccls. and highlight near2 icon and touchscreen and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:11
S24	2	"715"/860 and touchscreen same icon and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:23
S25	0	"715"/860 and highlight\$3 near2 icon with touch\$3and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:23
S26	1	"715"/860 and highlight\$3 near2 icon with touch\$3 and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:23
S27	34	highlight\$3 near2 icon with finger and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:29
S28	374	icon with finger with cursor and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:47
S29	67	"715"/\$.ccls. and icon with finger with cursor and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:48
S30	0	"715"/\$.ccls. and icon with finger with cursor same handset and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:49
S31	1	"715"/\$.ccls. and icon with finger with cursor same phone and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:59
S32	1	"715"/\$.ccls. and icon with finger with pointer same phone and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:59
S33	1	"715"/\$.ccls. and icon with finger same pointer same phone and @ad< "20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 02:59
S34	9	"715"/\$.ccls. and icon with finger and	US-	ADJ	ON	2013/09/29

		pointer same phone and @ad<"20090629"	PGPUB; USPAT			03:05
S35	3	"715"/\$.ccls. and icon with finger same cursor same phone and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 03:08
S36	67	"715"/\$.ccls. and icon with finger with cursor and @ad<"20090629"	US-PGPUB; USPAT	ADJ	ON	2013/09/29 03:12
S37	94	"715"/\$.ccls. and locked with icon and @ad<"20070629"	US-PGPUB; USPAT	ADJ	OFF	2014/04/25 13:22
S38	1	"20090205041"	US-PGPUB; USPAT	ADJ	OFF	2014/04/25 13:24
S39	1	("8229392").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/04/25 13:27
S40	1	("20040078231").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/04/25 13:28
S41	1	("20040233930").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/04/25 13:29
S42	1	("20070135043").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/04/25 13:34
S43	1	("20070150842").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/04/25 13:44
S44	10	"715"/\$.ccls. and locked near2 device with application and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 13:45
S45	10	"715"/\$.ccls. and locked near2 (device or phone) with application and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 13:45
S46	5	"715"/\$.ccls. and locked near2 (screen or display) with application and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 13:48
S47	15	"715"/\$.ccls. and lock\$2 near2 (screen or display) with application and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 13:48
S48	92	locked mode with (screen or display) and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 13:58
S49	21993	lock\$3 with (screen or display) and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 14:03
S50	2143	lock\$3 with (screen or display) and touch screen and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 14:03
S51	582	lock\$3 near2 (screen or display) and touch screen and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 14:04

S52	79	lock\$3 near2 (screen or display) and touch screen same icon and @ad< "20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 14:04
S53	0	lock\$3 near2 (screen or display) with select\$3 and touch screen @ad< "20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 14:15
S54	77	lock\$3 near2 (screen or display) with select\$3 and touch screen and @ad< "20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 14:15
S55	3	lockscreen and @ad< "20070629"	US-PGPUB; USPAT	ADJ	OFF	2014/04/25 14:29
S56	3	lockscreen and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2014/04/25 14:29
S57	0	locked (screen or display) and @ad< "20070629" same touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2014/04/25 14:30
S58	1	locked (screen or display) same touch and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2014/04/25 14:30
S59	0	locked (screen or display) same preview and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2014/04/25 16:34
S60	0	locked (screen or display) same preview and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2014/04/25 16:35
S61	5	lock\$2 near2 (screen or display) same preview and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2014/04/25 16:35
S62	100	lock\$2 near2 device same touch screen and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2014/04/25 16:38
S63	27	lock\$2 near2 device same touch screen same application and @ad< "20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2014/04/25 16:39

S64	27	lock\$2 near2 (device or phone or handset or pda) same touch screen same application and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2014/04/25 16:40
S65	117	("20010011308" "20010012022" "20020015024" "20020196274" "20030142138" "20040030934" "20040034801" "20040085351" "20040088568" "20040230843" "20040250138" "20040260955" "20040268267" "20050050477" "20050060554" "20050079896" "20050212760" "20050216862" "20050248542" "20050253817" "20050264833" "20060174339" "20060267955" "20080034292" "20080072172" "5465084" "5559961" "5677710" "5821933" "5907327" "6151208" "6160555" "6192478" "6249606" "6323846" "6347290" "6421453" "6570557" "6573883" "6633310" "6677932" "6720860" "6735695" "7124433" "7151843" "7174462" "7263670").PN. OR ("7657849").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2014/04/25 16:59
S66	32	"715"/\$.ccls. and unlock\$3 with icon and @ad<"20070629"	US-PGPUB; USPAT	ADJ	OFF	2014/04/25 17:28
S67	43	"715"/\$.ccls. and unlock\$3 near2 (screen or display) and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 17:31
S68	1	unlock\$3 near2 (screen or display) same preview and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 19:56
S69	6	lock\$3 near2 (screen or display) same preview and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 19:57
S70	36	lock\$3 near2 (screen or display) same notification and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/25 19:58
S71	314	lock\$3 near2 (state or setting) same notification and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/27 13:31
S72	342	lock\$3 near2 (state or setting or screen or display) same notification and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/27 13:32
S73	11	lock\$3 near2 (state or setting or screen or display) same preview and @ad<"20070629"	US-PGPUB; USPAT	ADJ	ON	2014/04/27 13:38
S74	102	"715"/\$.ccls. and (lock or locked) near2 (state or setting or screen or display) and touch screen and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/27 13:42
S75	83	"715"/\$.ccls. and (lock or locked) near2 (state or setting or screen or display) same (application or widget) and @ad<"20070629"	US-PGPUB; USPAT; USOCR;	ADJ	ON	2014/04/27 14:20

			EPO; JPO			
S76	8	(screensaver or screen saver) with icon same (lock\$ or locked) and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/27 14:45
S77	171	(screensaver or screen saver) with (lock or locked) and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/27 14:50
S78	7	(screensaver or screen saver) with (lock or locked) same icon and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/27 14:50
S79	1530	(lock or locked or restricted) with icon and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:31
S80	9	(lock or locked or restricted) with icon with preview and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:31
S81	197	(lock or locked or restricted) with icon with (application or program) and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:32
S82	0	lockscreen with icon with (application or program) and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:36
S83	0	lockscreen with icon and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:37
S84	8	lock screen with icon and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:37
S85	159	(lock or locking or locked) near2 (screen or monitor or computer or display) with icon and @ad<"20070629"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/29 17:38
S86	1	("20120173985").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/04/30 12:13
S87	0	"14046767"	US-PGPUB; USPAT	ADJ	OFF	2014/04/30 12:18
S88	0	"14/046767"	US-	ADJ	OFF	2014/04/30

EAST Search History

			PGPUB; USPAT			12:18
S89	0	icon near2 highlight\$3 @ad<"20070629"	US- PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/30 19:36
S90	2510	icon near2 highlight\$3 and @ad<"20070629"	US- PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/30 19:36
S91	828	"715"/\$.cls. and icon near2 highlight\$3 and @ad<"20070629"	US- PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/30 19:37
S92	70	"715"/\$.cls. and icon near2 highlight\$3 with application and @ad<"20070629"	US- PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2014/04/30 19:39
S93	1	("20070150842").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2014/04/30 20:22
S94	1	("6326978").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2014/05/01 14:37

EAST Search History (Interference)

< This search history is empty >

5/ 1/ 2014 9:38:16 PM**C:\Users\oali\Documents\EAST\Workspaces\13889750.wsp**

Search Notes 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
715	863	10/01/2013	OAA
715	702	10/01/2013	OAA

SEARCH NOTES		
Search Notes	Date	Examiner
Performed EAST search (USPAT, US-PGPUB)	10/01/2013	OAA
Performed updated EAST search (USPAT, US-PGPUB)	5/01/2014	OAA

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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Substitute for form 1449/PTO (Revised 07/2007)				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	13/889,750	
				Filing Date	May 8, 2013	
				First Named Inventor	Lindberg et al.	
				Art Unit	2142	
				Examiner Name	O. R. Abdul-Ali	
Sheet	1	of	2	Attorney Docket Number	042933/427718	
U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
	1	US-6,249,606	06-19-2001	Kiraly et al.		
	2	US-7,593,000	09-22-2009	Chin		
	3	US-7,683,888	03-23-2010	Kennedy		
	4	US-8,127,254	02-28-2012	Lindberg et al.		
	5	US-8,209,637	06-26-2012	Chaudhri et al.		
	6	US-8,427,445	04-23-2013	Kennedy		
	7	US-8,443,199	05-14-2013	Kim et al.		
	8	US-2009/0264159 A1	10-22-2009	Hsieh et al.		
	9	US-2010/0095206 A1	04-15-2010	Kim		
	10	US-2010/0162182 A1	06-24-2010	Oh et al.		
	11	US-2012/0098639 A1	04-26-2012	Ijas		
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	12	EP 2 230 623 A1	09-22-2010	LG Electronics Inc.		
	13	EP 2 256 610 A1	12-01-2010	HTC Corporation		
	14	WO 00/33570 A1	06-08-2000	Sony Corporation		*(corresponds to US 7,610,599 previously cited)
	15	WO 2008/116395 A1	10-02-2008	Computime, Ltd.		
		*Abstract only				
Examiner Signature	/Omar Abdul-ali/			Date Considered	05/01/2014	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34635415v1

Submitted January 23, 2014

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Substitute for form 1449/PTO (Revised 07/2007)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	13/889,750
				Filing Date	May 8, 2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
				Examiner Name	O. R. Abdul-Ali
Sheet	2	of	2	Attorney Docket Number	042933/427718
OTHER DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			English Language Translation Attached
	16	International Search Report and Written Opinion for Application No. PCT/FI2011/050776 mailed December 27, 2011			
	17	Office Action for European Application No. EP 08 776 289.4 dated April 26, 2013			
Examiner Signature	/Omar Abdul-ali/			Date Considered	05/01/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34635415v1

Submitted January 23, 2014

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Application	Document	Mailroom Date	Attorney Docket No.
13889750	CTNF	05/20/2014	042933/427718
	892	05/20/2014	042933/427718
	1449	05/20/2014	042933/427718

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				Application Number	13/889,750
				Filing Date	May 8, 2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
				Examiner Name	O. R. Abdul-Ali
Sheet	1	of	1	Attorney Docket Number	042933/427718
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-5,463,725	10-31-1995	Henckel et al.	
	2	US-6,628,310	09-30-2003	Hiura et al.	
	3	US-7,676,767	03-09-2010	Hofmeister et al.	
	4	US-2004/0210845 A1	10-21-2004	Paul et al.	
	5	US-2007/0250787 A1	10-25-2007	Kawahara et al.	
	6	US-2009/0094562 A1	04-09-2009	Jeong et al.	
	7	US-2010/0031152 A1	02-04-2010	Villaron et al.	
	8	US-2010/0211872 A1	08-19-2010	Rolston et al.	
	9	US-2010/0248689 A1	09-30-2010	Teng et al.	
	10	US-2010/0293330 A1	11-18-2010	Maloney et al.	
	11	US-2012/0084738 A1	04-05-2012	Sirpal	
OTHER DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			English Language Translation Attached
	12	Office Action for U.S. Application No. 12/874,206 dated May 23, 2014			
	13	Office Action for U.S. Application No. 13/594,238 dated May 28, 2014			
	14	Office Action for U.S. Application No. 13/323,132 dated June 9, 2014			
	15	Supplementary European Search Report for Application No. EP 11 82 1164 dated April 2, 2014			
Examiner Signature				Date Considered	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34891617v1

Submitted June 10, 2014



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ROYAUME UNI

Date
02.04.14

Reference 25467EP1	Application No./Patent No. 11821164.8 - 1959 / 2598983 PCT/FI2011050739
Applicant/Proprietor Nokia Corporation	

Communication

The extended European search report is enclosed.

The extended European search report includes, pursuant to Rule 62 EPC, the supplementary European search report (Art. 153(7) EPC) and the European search opinion.

Copies of documents cited in the European search report are attached.

☒ 0 additional set(s) of copies of such documents is (are) enclosed as well.

Refund of the search fee

If applicable under Article 9 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.

Should you wish to further prosecute this application in the examination phase, your attention is drawn to the provisions of Rule 70a EPC. An invitation to respond to the extended European search report will be issued shortly (R. 70(2) EPC).





**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 11 82 1164

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2010/040670 A2 (TAT THE ASTONISHING TRIBE AB [SE]; JOHANSSON KARL-ANDERS [SE]) 15 April 2010 (2010-04-15) * the whole document *	1-14	INV. G06F3/048
X	US 2007/150842 A1 (CHAUDHRI IMRAN [US] ET AL) 28 June 2007 (2007-06-28) * abstract * * paragraph [0002] - paragraph [0012] * * paragraph [0099] - paragraph [0108]; figures 6-11 *	1-14	
X	US 2009/006991 A1 (LINDBERG PHILLIP JOHN [FI] ET AL) 1 January 2009 (2009-01-01) * the whole document *	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			G06F
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 26 March 2014	Examiner Vieira, Alexandre
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1
EPO FORM 1503 03 82 (P04C04)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 11 82 1164

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-03-2014

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			EP 2344942 A2	20-07-2011
			US 2011316797 A1	29-12-2011
			WO 2010040670 A2	15-04-2010

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 11 82 1164

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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26-03-2014

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2013239045 A1	12-09-2013
		US 2013239065 A1	12-09-2013
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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

The examination is being carried out on the **following application documents**

Description, Pages

1-19 as published

Claims, Numbers

1-14 filed with entry into the regional phase before the EPO

Drawings, Sheets

1/15-15/15 as published

Reference is made to the following document; the numbering will be adhered to in the rest of the procedure.

D1 WO 2010/040670 A2 (TAT THE ASTONISHING TRIBE AB [SE]; JOHANSSON KARL-ANDERS [SE]) 15 April 2010 (2010-04-15)

- 1 The amendments filed upon entry into European Phase with the letter dated 28.02.2013 introduce subject - matter which extends beyond the content of the application as filed, contrary to Article 123(2) EPC. The following amendments have been identified as introducing such subject matter:
 - 1.1 Claim 5: the whole claim. It is not apparent from where in the description as originally filed the subject matter of this claim is derived. The claim is therefore considered to infringe Article 123(2) EPC.
 - 1.2 The applicant should file new claims that comply with Article 123(2) EPC. The attention of the applicant is drawn to Guidelines H-III, 2.2 which states that **the applicant should clearly identify all amendments made and indicate on which passages of the original application these amendments are based.** The applicant is reminded that the onus is on him to prove beyond a reasonable doubt (see decision T 383/88, unpublished) that amendments do not involve added subject-matter. Therefore, it is not sufficient merely to indicate a passage of the description in support of an amendment unless it is prima facie clear that there is adequate basis. Usually, comprehensive supporting arguments will be necessary.

- 1.3 For the purpose of examination the claim will nevertheless be the subject of a brief analysis.
- 2 The present application does not meet the requirements of Article 52(1) EPC, because the subject-matter of claims 1, 12 and 14 is not new in the sense of Article 54(1) and (2) EPC.
- 2.1 Document D1 discloses (the references in parentheses applying to this document):
- a method comprising:
 - determining whether at least one characteristic of a translation input meets a first set of one or more criteria (page 3, lines 24 to 30, figures 4a to 4c); and
 - if the at least one characteristic is determined to meet the first set of criteria, switching a computing device from a first state into a second state, wherein:
 - in said first state an application, running on the computing device, is in focus and a first display relating to the application is displayed (implicitly disclosed, as the disclosure of D1 pertains to changing from one application to another, therefore, the device must have a certain application in focus, which is then moved to the background upon launch of the application selected by the gesture), and
 - in said second state the application is not in focus (page 3, lines 30 to 32, figures 4a to 4d).
- D1 therefore discloses all features of claim 1, the subject-matter of which is therefore not new Article 54(1) and (2) EPC.
- The same reasoning applies, mutatis mutandis, to corresponding independent apparatus claim 12 and computer program claim 14 the subject matter of which is therefore also not new Article 54(1) and (2) EPC.
- 3 Dependent claims 2-11 and 13 do not appear to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the EPC with respect to novelty and/or inventive step, for the following reasons:

- 3.1 Claim 2: The device of D1 also has a locked an unlocked state, see page 4, lines 20 to 24.
- 3.2 Claims 3, 4: The second state disclosed in D1, namely that when the application has been launched, is also an unlocked state, and displays a second representation, that of an application, which is implicitly selectable in order to be usable by the user, see page 3, lines 24 to 32, figures 4a to 4d.
- 3.3 Claim 6: Switching back between applications is well known in the art, and is considered to be disclosed in D1, if a sequence of translation inputs are performed which lead to the same application being brought into focus.
- 3.4 Claims 5, 7, 8: Application switchers providing an overview of running applications from which the user can select an application to bring into focus are well known and common place in the art, and their application in a device such as that of D1 would be a mere matter of design considerations, not involving an inventive step. Such application switchers are well known to provide an overview of the state of the application at the moment the user last viewed it.
- 3.5 Claims 9-11: The method disclosed in D1 also provides for other translations inputs resulting in switches to further states, see e.g. figure 3.
- 3.6 Claim 13: The method of D1 is disclosed in the context of mobile/handheld devices, see page 1, lines 13 to 16, figure 1. It would therefore be straightforward to apply this teaching in a mobile telephone or portable video games console, without the application of an inventive step
- 4 When filing amended claims the following considerations should also be taken into account:
- 4.1 The independent claims are not in the two-part form in accordance with Rule 43(1) EPC, which in the present case would be appropriate, with those features known in combination from the prior art being placed in the preamble (Rule 43(1)(a) EPC) and with the remaining features being included in the characterising part (Rule 43(1)(b) EPC).
- 4.2 If, however, the applicant is of the opinion that the two-part form would be inappropriate, then reasons therefor should be provided in the letter of reply. In addition, the applicant should ensure that it is clear from the description which features of the subject-matter of the independent claims are already known in combination from the cited documents (see the Guidelines, F-IV, 2.3.2).

- 4.3 The features of the claims should be provided with reference signs placed in parentheses to increase the intelligibility of the claims (Rule 43(7) EPC). This applies to both the preamble and characterising portion (see the Guidelines, F-IV, 4.19).
- 4.4 Document D1 is very pertinent to the subject-matter of the present application. In filing new claims, the applicant is invited to specify in an accompanying letter what the difference is between the independent claim and D1, what the technical problem is that is to be solved by said difference, and why the proposed solution is not obvious to the skilled person.
- 5 When filing amended claims the applicant should also:
- bring the description into conformity with the amended claims. Care should be taken during revision, especially of the introductory portion and any statements of problem or advantage, not to add subject-matter which extends beyond the content of the application as originally filed (Article 123(2) EPC)
 - identify document D1 in the description and briefly discuss the relevant background art disclosed therein (Rule 42(1)(b) EPC).

Electronic Patent Application Fee Transmittal

Application Number:	13889750			
Filing Date:	08-May-2013			
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE			
First Named Inventor/Applicant Name:	Phillip Lindberg			
Filer:	Christopher Jason Gegg/Joyce Smith			
Attorney Docket Number:	042933/427718			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt	
EFS ID:	19265578
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Christopher Jason Gegg/Joyce Smith
Filer Authorized By:	Christopher Jason Gegg
Attorney Docket Number:	042933/427718
Receipt Date:	10-JUN-2014
Filing Date:	08-MAY-2013
Time Stamp:	17:44:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	4724
Deposit Account	160605
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)					
Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)					
Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		IDS427718.PDF	108360	yes	2
			b39437269c414fa40c2d7f880468200ae32726a1		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	1	
	Information Disclosure Statement (IDS) Form (SB08)		2	2	
Warnings:					
Information:					
2	Non Patent Literature	ART042933.PDF	327678	no	8
			4575ac43d6946531f12146ce53fc9bde757a7fa3		
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30476	no	2
			ed54a9cc0168699b1d6b789f28a5bca5ea40aa72		
Warnings:					
Information:					
Total Files Size (in bytes):			466514		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Lindberg et al.	Confirmation No.:	1050
Appl. No.:	13/889,750	Group Art Unit:	2142
Filed:	May 8, 2013	Examiner:	O. R. Abdul-Ali
For:	UNLOCKING A TOUCH SCREEN DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)**

Attached is a list of documents on form PTO-1449 along with a copy of any cited foreign patent documents and non-patent literature document in accordance with 37 CFR 1.98(a)(2).

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier.

The \$180.00 fee specified in 37 C.F.R. § 1.17(p) is being paid at the time of e-filing. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 13/889,750 Confirmation No.: 1050
Applicant(s): Lindberg et al.
Filed: May 8, 2013
Art Unit: 2142
Examiner: Omar R. Abdul-Ali
Title: UNLOCKING A TOUCH SCREEN DEVICE

Docket No.: 042933/427718
Customer No.: 10949

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 C.F.R. § 1.111

In response to the Official Action dated May 20, 2014, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks begin on page 5 of this paper.

Amendments to the Claims:

1. (Currently Amended) An apparatus, comprising:
at least one processor; and
at least one memory storing computer program code configured, working with the at least one processor, to cause at least the following to be performed:
causing a display of a device to display an ~~icon~~ object, relating to an application, when the device is in a locked mode; and
enabling a user to select the ~~icon~~ object while the device is in the locked mode, in order to determine a state, function or utility of the application without fully activating the application while the device remains in the locked mode.
2. (Currently Amended) The apparatus as claimed in claim ~~[[1]]~~ 21, wherein the icon is a dimmed icon.
3. (Currently Amended) The apparatus as claimed in claim 1, wherein the computer program code is configured, working with the at least one processor, to cause at least the following to be performed: responding to user selection of the ~~icon~~ object by illuminating or highlighting the ~~icon~~ object.
4. (Currently Amended) The apparatus as claimed in claim 3, wherein a movable object is provided to enable the user to select the ~~icon~~ object.
5. (Canceled)
6. (Original) The apparatus as claimed in claim 3, wherein the ~~icon~~ object is highlighted or illuminated to a lesser extent than that associated with a standard mode setting.

7. (Currently Amended) The apparatus as claimed in claim 1, wherein the ~~icon~~ object represents an application that is present or available in the device.
8. (Currently Amended) The apparatus as claimed in claim 1, wherein the computer program code is configured, working with the at least one processor, to cause at least the following to be performed: causing the display to display another ~~icon~~ object, relating to another application, when the device is in a locked mode.
9. (Currently Amended) The apparatus as claimed in claim 8, wherein the another ~~icon~~ object represents an application that is present or available in the device.
10. (Currently Amended) The apparatus as claimed in claim 8, wherein the another ~~icon~~ object indicates that the another application is not activatable when the device is in the locked mode.
11. (Currently Amended) The apparatus as claimed in claim 1, wherein the display is a touch screen display, and enabling a user to select the ~~icon~~ object comprises enabling the user to select the ~~icon~~ object using the touch screen display.
12. (Original) The apparatus as claimed in claim 1, wherein the apparatus is the device.
13. (Currently Amended) A method, comprising:
causing a display of a device to display an ~~icon~~ object, relating to an application, when the device is in a locked mode; and
enabling a user to select the ~~icon~~ object while the device is in the locked mode, in order to determine a state, function or utility of the application without fully activating the application while the device remains in the locked mode.
14. (Currently Amended) The method as claimed in claim 13, wherein the ~~icon~~ object is a dimmed icon.

15. (Currently Amended) The method as claimed in claim 13, further comprising: responding to user selection of the ~~icon~~ object by illuminating or highlighting the ~~icon~~ object.
16. (Currently Amended) The method as claimed in claim 13, wherein a movable object is provided to enable the user to select the ~~icon~~ object.
17. (Currently Amended) The method as claimed in claim 13, wherein the ~~icon~~ object represents an application that is present or available in the device.
18. (Currently Amended) The method as claimed in claim 13, wherein the display is a touch screen display, and enabling a user to select the ~~icon~~ object comprises enabling the user to select the ~~icon~~ object using the touch screen display.
19. (Currently Amended) A non-transitory computer readable medium storing computer program code that, when performed by at least one processor, causes at least the following to be performed:
causing a display of a device to display an ~~icon~~ object, relating to an application, when the device is in a locked mode; and
enabling a user to select the ~~icon~~ object while the device is in the locked mode, in order to determine a state, function or utility of the application without fully activating the application while the device remains in the locked mode.
20. (Currently Amended) The non-transitory computer readable medium as claimed in claim 19, wherein the ~~icon~~ object is a dimmed icon.
21. (New) The apparatus as claimed in claim 19, wherein the object is an icon.

REMARKS

Claim 5 was rejected under 35 U.S.C. § 112(b) or 35 U.S.C. § 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention. Claim 5 has now been canceled such that the rejection under 35 U.S.C. § 112(b) or 35 U.S.C. § 112 (pre-AIA), second paragraph, is moot.

Claims 1, 7-9, 12, 13, 16, 17, and 19 were rejected under pre-AIA 35 U.S.C. § 102(e) as being anticipated by Bodepudi, et al. (US 2007/0016958 A1). In addition, Claims 3-5, 11, 15, and 18 were rejected under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Bodepudi, et al. in view of Chiang, et al. (US 2008/0184112 A1). Claims 2, 6, 14, and 20 were rejected under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Bodepudi, et al. in view of Chaudhri, et al. (US 2007/0150842 A1). Claim 6 was rejected under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Bodepudi, et al. in view of Chiang, et al. and further in view of Chaudhri, et al. Further, Claim 10 was rejected under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over Bodepudi, et al. in view of Zerhusen, et al. (US 2007/0120689 A1).

Many of the claims have been amended to recite an “object” instead of an “icon”. Support for this amendment is provided at least by paragraph [0030] of the published application. Additionally, new dependent Claim 21 has been added that recites that the object is an icon and the dependency of Claim 2 has been updated.

The independent claims, namely, independent Claims 1, 13 and 19, have also been amended to recite “enabling a user to select the object while the device is in the locked mode, in order to determine a state, function or utility of the application without fully activating the application while the device remains in the locked mode.” Support for this amendment of “without fully activating the application” is provided at least by paragraph [0036] of the published application. Neither Bodepudi nor any of the cited references teach or suggest this

Appl. No.:13/889,750
Amdt. dated June 12, 2014
Reply to Office Action of May 20, 2014

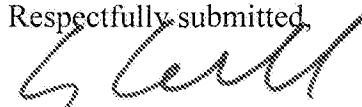
recitation and, as a result, no proper combination of of the cited references teaches or suggests this same recitation. Thus, it is respectfully submitted that the rejections under 35 U.S.C. §§ 102(e) and 103(a) are overcome.

In view of the amended claims and the remarks presented above, Applicant submits that the claims are in condition for immediate allowance. As such, the issuance of a Notice of Allowance is respectfully requested. In order to expedite the examination of the present application, the Examiner is encouraged to contact Applicant's undersigned attorney in order to resolve any remaining issues.

The patentability of the independent claims has been argued as set forth above and thus Applicant will not take this opportunity to argue the merits of the rejection with regard to every dependent claim. However, Applicant does not concede that the dependent claims are not independently patentable and reserves the right to argue the patentability of dependent claims at a later date if necessary.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefor (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,



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Fax Charlotte Office (704) 444-1111

ELECTRONICALLY FILED USING THE EFS-WEB ELECTRONIC FILING SYSTEM OF THE UNITED STATES PATENT & TRADEMARK OFFICE ON June 12, 2014.

Electronic Acknowledgement Receipt

EFS ID:	19284286
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Guy Randall Gosnell/Lauren Martin
Filer Authorized By:	Guy Randall Gosnell
Attorney Docket Number:	042933/427718
Receipt Date:	12-JUN-2014
Filing Date:	08-MAY-2013
Time Stamp:	12:25:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		427718-AmendAsFiled.PDF	728647 b39aad01d9a7f1e4c5e93ee8398009bfd32b15cf	yes	6

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	6
Warnings:			
Information:			
Total Files Size (in bytes):		728647	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.			

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PATENT APPLICATION FEE DETERMINATION RECORD				Application or Docket Number		Filing Date		☐ To be Mailed	
Substitute for Form PTO-875				13/889,750		05/08/2013			
ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO									
APPLICATION AS FILED – PART I									
(Column 1)		(Column 2)							
FOR	NUMBER FILED	NUMBER EXTRA		RATE (\$)		FEE (\$)			
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A					
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A					
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		X \$ =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		X \$ =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL					
APPLICATION AS AMENDED – PART II									
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	06/12/2014	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$80 =		0	
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$420 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
TOTAL ADD'L FEE						0			
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =			
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
TOTAL ADD'L FEE									
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.									

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

10949 7590 06/24/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

EXAMINER

ABDUL-ALI, OMAR R

ART UNIT

PAPER NUMBER

2142

DATE MAILED: 06/24/2014

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

TITLE OF INVENTION: UNLOCKING A TOUCH SCREEN DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	09/24/2014

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

10949 7590 06/24/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

TITLE OF INVENTION: UNLOCKING A TOUCH SCREEN DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	09/24/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
ABDUL-ALI, OMAR R	2142	715-763000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (**Please first reapply any previously paid issue fee shown above**)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

10949	7590	06/24/2014
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Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

EXAMINER	
ABDUL-ALI, OMAR R	

ART UNIT	PAPER NUMBER
2142	

DATE MAILED: 06/24/2014

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/889,750	Applicant(s) LINDBERG ET AL.	
	Examiner OMAR ABDUL-ALI	Art Unit 2142	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed June 12, 2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-4 and 6-21. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>5/14, 6/14</u> | 6. ☐ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. ☐ Other _____. |
| 4. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/OMAR ABDUL-ALI/
Primary Examiner, Art Unit 2142

Issue Classification 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

CPC					
Symbol				Type	Version
H04M		1	677	I	2013-01-01
G06F		3	0488	I	2013-01-01
G06F		3	04883	I	2013-01-01
G06F		3	04817	F	2013-01-01
H04M		2250	22	A	2013-01-01
G06F		3	0486	I	2013-01-01

CPC Combination Sets					
Symbol			Type	Set	Ranking

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/OMAR ABDUL-ALI/ Primary Examiner. Art Unit 2142	6/13/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	Claim 1	Fig. 2b

Issue Classification 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION													
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED								
715		863				G	0	6	F	3 / 033 (2013.01.01)									
CROSS REFERENCE(S)																			
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																		

NONE		Total Claims Allowed:	
		20	
(Assistant Examiner)	(Date)		
/OMAR ABDUL-ALI/ Primary Examiner. Art Unit 2142	6/13/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	Claim 1	Fig. 2b

Issue Classification 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	16	17												
2	2	17	18												
3	3	18	19												
4	4	19	20												
	5	20	21												
5	6														
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7	8														
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9	10														
10	11														
11	12														
12	13														
13	14														
14	15														
15	16														

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/OMAR ABDUL-ALI/ Primary Examiner. Art Unit 2142 (Primary Examiner) _____ (Date) 6/13/2014		O.G. Print Claim(s) Claim 1	O.G. Print Figure Fig. 2b

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/889,750
				Filing Date	May 8, 2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
Examiner Name	O. R. Abdul-Ali				
Sheet	1	of	1	Attorney Docket Number	042933/427718
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-5,463,725	10-31-1995	Henckel et al.	
	2	US-6,628,310	09-30-2003	Hiura et al.	
	3	US-7,676,767	03-09-2010	Hofmeister et al.	
	4	US-2004/0210845 A1	10-21-2004	Paul et al.	
	5	US-2007/0250787 A1	10-25-2007	Kawahara et al.	
	6	US-2009/0094562 A1	04-09-2009	Jeong et al.	
	7	US-2010/0031152 A1	02-04-2010	Villaron et al.	
	8	US-2010/0211872 A1	08-19-2010	Rolston et al.	
	9	US-2010/0248689 A1	09-30-2010	Teng et al.	
	10	US-2010/0293330 A1	11-18-2010	Maloney et al.	
	11	US-2012/0084738 A1	04-05-2012	Sirpal	
OTHER DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			English Language Translation Attached
	12	Office Action for U.S. Application No. 12/874,206 dated May 23, 2014			
	13	Office Action for U.S. Application No. 13/594,238 dated May 28, 2014			
	14	Office Action for U.S. Application No. 13/323,132 dated June 9, 2014			
	15	Supplementary European Search Report for Application No. EP 11 82 1164 dated April 2, 2014			
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/13/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34891617v1

Submitted June 10, 2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A.A

<i>Index of Claims</i> 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant					☐ CPA					☐ T.D.					☐ R.1.47				
CLAIM		DATE																	
Final	Original	10/01/2013	05/01/2014	06/13/2014															
1	1	✓	✓	=															
2	2	✓	✓	=															
3	3	✓	✓	=															
4	4	✓	✓	=															
	5	✓	✓	-															
5	6	✓	✓	=															
6	7	✓	✓	=															
7	8	✓	✓	=															
8	9	✓	✓	=															
9	10	✓	✓	=															
10	11	✓	✓	=															
11	12	✓	✓	=															
12	13	✓	✓	=															
13	14	✓	✓	=															
14	15	✓	✓	=															
15	16	✓	✓	=															
16	17	✓	✓	=															
17	18	✓	✓	=															
18	19	✓	✓	=															
19	20	✓	✓	=															

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/889,750
				Filing Date	May 8, 2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
Examiner Name	O. R. Abdul-Ali				
Sheet	1	of	4	Attorney Docket Number	042933/427718
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-5,754,306	05-19-1998	Taylor et al.	
	2	US-5,884,185	03-16-1999	Kim	
	3	US-6,055,439	04-25-2000	Helin et al.	
	4	US-6,799,061	09-28-2004	Jeoung	
	5	US-7,487,467	02-03-2009	Kawahara et al.	
	6	US-7,917,861	03-29-2011	Boettcher et al.	
	7	US-8,082,523	12-20-2011	Forstall et al.	
	8	US-8,130,206	03-06-2012	Lindroos	
	9	US-2003/0090506 A1	05-15-2003	Moore et al.	
	10	US-2006/0026535 A1	02-02-2006	Hotelling et al.	
	11	US-2007/0189737 A1	08-16-2007	Chaudhri et al.	
	12	US-2008/0052945 A1	03-06-2008	Matas et al.	
	13	US-2009/0006991 A1	01-01-2009	Lindberg et al.	
	14	US-2009/0007017 A1	01-01-2009	Anzures et al.	
	15	US-2009/0172549 A1	07-02-2009	Davidson	
	16	US-2009/0249240 A1	10-01-2009	Lundy et al.	
	17	US-2009/0267909 A1	10-29-2009	Chen et al.	
	18	US-2009/0289916 A1	11-26-2009	Dai	
	19	US-2009/0293007 A1	11-26-2009	Duarte et al.	
	20	US-2010/0007613 A1	01-14-2010	Costa	
	21	US-2010/0081475 A1	04-01-2010	Chiang et al.	
	22	US-2010/0088643 A1	04-08-2010	Ota et al.	
	23	US-2010/0095240 A1	04-15-2010	Shiplacoff et al.	
	24	US-2010/0125905 A1	05-20-2010	Samuels	
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/13/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34846348v1

Submitted May 14, 2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A.A

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/889,750
				Filing Date	May 8, 2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
Examiner Name	O. R. Abdul-Ali				
Sheet	2	of	4	Attorney Docket Number	042933/427718
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	25	US-2010/0205563 A1	08-12-2010	Haapsaari et al.	
	26	US-2010/0231533 A1	09-16-2010	Chaudhri	
	27	US-2010/0235794 A1	09-16-2010	Ording	
	28	US-2010/0257490 A1	10-07-2010	Lyon et al.	
	29	US-2010/0269040 A1	10-21-2010	Lee	
	30	US-2010/0299598 A1	11-25-2010	Shin et al.	
	31	US-2010/0306693 A1	12-02-2010	Brinda	
	32	US-2011/0105193 A1	05-05-2011	Lee et al.	
	33	US-2011/0154196 A1	06-23-2011	Icho et al.	
	34	US-2011/0167380 A1	07-07-2011	Stallings et al.	
	35	US-2011/0187724 A1	08-04-2011	Oh et al.	
	36	US-2011/0225543 A1	09-15-2011	Arnold et al.	
	37	US-2011/0271181 A1	11-03-2011	Tsai et al.	
	38	US-2012/0036556 A1	02-09-2012	LeBeau et al.	
	39	US-2012/0054680 A1	03-01-2012	Moonka et al.	
	40	US-2012/0124512 A1	05-17-2012	Lindberg et al.	
	41	US-2012/0223890 A1	09-06-2012	Borovsky et al.	
	42	US-2012/0319984 A1	12-20-2012	Borovsky et al.	
	43	US-2013/0147825 A1	06-13-2013	Martin et al.	
	44	US-2013/0239045 A1	09-12-2013	Lindberg et al.	
	45	US-2013/0239065 A1	09-12-2013	Lindberg et al.	
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/13/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34846348v1

Submitted May 14, 2014

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				First Named Inventor		Lindberg et al.	
				Art Unit		2142	
Examiner Name		O. R. Abdul-Ali					
Sheet	3	of	4	Attorney Docket Number		042933/427718	
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached	
	46	EP 1 032 183 A2	08-30-2000	Nokia Mobiles Phones Ltd.			
	47	EP 2 282 275 A1	02-09-2011	Apple Inc.			
	48	EP-2 284 646 A1	02-16-2011	Apple Inc.			
	49	GB 2 310 567 A	08-27-1997	Vanttila et al.		*	
	50	JP 2007-72233 A	03-22-2007	Matsushita Electric Ind Co Ltd		* (corresponds to US 7,610,599 previously cited)	
	51	WO 2010/040670 A2	04-15-2010	Tathe Astonishing Tribe AB			
	52	WO 2011/100623 A2	08-18-2011	Microsoft Corporation			
		*Abstract only					
OTHER DOCUMENTS							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				English Language Translation Attached	
	53	mixed molo: 5 Best Things About iOS4 [online] [retrieved 01/17/2012]. Retrieved from the Internet: <URL: http://migmol.blogspot.com/2010/06/5-best-things-about-ios4.html >. (dated June 23, 2010) 6 pages					
	54	Shaky Beginnings: March 2010 [online] [retrieved 01/17/2012]. Retrieved from the Internet: <URL: http://rs250-squid.blogspot.com/2010_03_01_archive.html >. (dated March 9, 2010) 5 pages					
	55	"Flex 4.5 - Using Mobile View Transitions"; Downloaded from http://devgirl.org/2011/05/12/flex-4-5-using-mobile-view-transitions/ Published on May 12, 2011					
	56	"LauncherPro Plus Home Screen Transition Effects Effects on CyanogenMod 7 -RC 2 Motorola Milestone"; Downloaded from http://www.youtube.com/watch?v=bRcMAOLsBP4 ; Published on March 6, 2011					
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/13/2014		

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Submitted May 14, 2014

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				Art Unit	2142
Examiner Name	O. R. Abdul-Ali				
Sheet	4	of	4	Attorney Docket Number	042933/427718
OTHER DOCUMENTS					
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	57	"DevTools for .NET"; Downloaded from http://www.telerik.com/community/forums/windows-phone/transition-control/transition-from-page-to-page.aspx ; Published on November 16, 2010			
	58	"Interfaces That Flow: Transitions as Design Elements"; Downloaded from http://www.uxmatters.com/mt/archives/2007/04/interfaces-that-flow-transitions-as-design-elements.php ; Published on April 26, 2007			
	59	Sprint Personal Communication Services, User Guide, QUALCOMM QCP-2700/2700F Sony CM-B1201SPR (July 1997) 78 pages			
	60	Written Opinion from International Application No. PCT/FI2011/050739, mailed December 16, 2011			
	61	International Search Report from International Application No. PCT/FI2011/050739, mailed December 16, 2011			
	62	International Search Report and Written Opinion for Application No. PCT/FI2012/051220, dated April 25, 2013			
	63	European Search Report for Application No. 13159698 dated September 9, 2013			
	64	Office Action for U.S. Application No. 12/874,206 dated April 8, 2013			
	65	Office Action for U.S. Application No. 12/874,206 dated October 23, 2013			
	66	Office Action for U.S. Application No. 13/323,132 dated June 20, 2013			
	67	Office Action for U.S. Application No. 13/323,132 dated October 16, 2013			
	68	Office Action for U.S. Application No. 13/323,132 dated February 14, 2014			
	69	Office Action in U.S. Application No. 13/594,238 dated November 19, 2012			
	70	Office Action in U.S. Application No. 13/594,238 dated May 29, 2013			
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/13/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34846348v1

Submitted May 14, 2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A.A

Search Notes 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
715	863	10/01/2013	OAA
715	702	10/01/2013	OAA

SEARCH NOTES		
Search Notes	Date	Examiner
Performed EAST search (USPAT, US-PGPUB)	10/01/2013	OAA
Performed updated EAST search (USPAT, US-PGPUB)	5/01/2014	OAA
Performed updated EAST search (USPAT, US-PGPUB)	6/13/2014	OAA

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
715	863	6/13/2014	OAA

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EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	715/863 and locked mode with select near2 object	US-PGPUB; USPAT	ADJ	OFF	2014/06/13 10:10

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	715/863 and locked mode with select near2 object	US-PGPUB; USPAT; UPAD	ADJ	OFF	2014/06/13 10:10

6/ 13/ 2014 10:11:58 AM

To: usptomail@alston.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 10949

Jun 24, 2014 05:24:21 AM

Dear PAIR Customer:

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c/o Alston & Bird LLP
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Application	Document	Mailroom Date	Attorney Docket No.
13889750	NOA	06/24/2014	042933/427718
	1449	06/24/2014	042933/427718
	1449	06/24/2014	042933/427718

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Thank you for prompt attention to this notice,

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PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/889,750
				Filing Date	May 8, 2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
				Examiner Name	O. R. Abdul-Ali
Sheet	1	of	1	Attorney Docket Number	042933/427718
U. S. PATENT DOCUMENTS					
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OTHER DOCUMENTS					
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	1	Office Action for U.S. Application No. 13/357,143 dated July 2, 2014			
Examiner Signature				Date Considered	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LEGAL02/34993926v1

Submitted July 28, 2014



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/357,143	01/24/2012	Phillip John Lindberg	042933/414417	7689

10949 7590 07/02/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

EXAMINER

ABDUL-ALI, OMAR R

ART UNIT	PAPER NUMBER
----------	--------------

2142

NOTIFICATION DATE	DELIVERY MODE
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07/02/2014

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptomail@alston.com

Office Action Summary	Application No. 13/357,143	Applicant(s) LINDBERG ET AL.	
	Examiner OMAR ABDUL-ALI	Art Unit 2142	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 6/18/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 10-30 is/are pending in the application.
5a) Of the above claim(s) 30 is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 10-14, 16-23 and 25-29 is/are rejected.
- 8) ☒ Claim(s) 15 and 24 is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 3/12; 1/14; 5/14; 6/14.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 4) ☐ Other: ____.

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions. This action is in response to the Response to Election/Restriction filed June 18, 2014. The Applicant has elected with traverse Group I, Claims 10-29.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 10-14, 16-23, and 25-29 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by Bodepudi et al. (US 2007/0016958).

Claims 10, 18, and 27: Bodepudi discloses a method, comprising:

a. causing a touch screen display of a device to display a first object and a second object when the device is in a locked mode, wherein the first object is separated from the second object and at least one of the first and second objects represents an application (page 5, paragraph 52). A display shows an unlock application icon and cursor 612.

b. enabling a user to drag the first object to the second object, in order to select the second object (page 5, paragraph 52). Selecting unlock icon with the cursor.

c. unlocking the device and activating the application represented by the at least one of the first object and the second object (page 5, paragraph 52). Selecting unlock icon activates selective lock application 208 and triggers a password entry window.

Claims 11, 19, 23, and 28: Bodepudi discloses a method as in Claims 10, 18, and 27 above, further comprising:

a. deciding, upon selection of the second object by the user, to activate the application upon unlocking the device (page 5, paragraph 52).

Claims 12 and 20: Bodepudi discloses a method as in Claims 10 and 18 above, further comprising:

a. wherein the second object is selected by at least partially overlapping the second object and the first object (Figure 6).

Claims 13, 21, and 29: Bodepudi discloses a method as in Claims 10, 18, and 27 above, further comprising:

a. wherein the second displayed object represents the application (page 5, paragraph 52).

Claims 14 and 22: Bodepudi discloses a method as in Claims 13 and 20 above, further comprising:

a. wherein the second displayed object is an icon representing the application (page 5, paragraph 52).

Claims 16 and 25: Bodepudi discloses a method as in Claims 10 and 18 above, further comprising:

a. wherein the locked mode is also an idle mode (page 4, paragraph 38).

Claims 17 and 26: Bodepudi discloses a method as in Claims 10 and 18 above, further comprising:

a. wherein the first object is an unlocking icon (page 5, paragraph 52; cursor 612).

Allowable Subject Matter

4. Claims 15 and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OMAR ABDUL-ALI whose telephone number is (571)270-1694. The examiner can normally be reached on Monday-Friday 10:30-7:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Stevens can be reached on 571-272-4102. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/OMAR ABDUL-ALI/
Primary Examiner, Art Unit 2142

Application/Control Number: 13/357,143
Art Unit: 2142

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Notice of References Cited	Application/Control No. 13/357,143	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.	
	Examiner OMAR ABDUL-ALI	Art Unit 2142	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2007/0016958	01-2007	Bodepudi et al.	726/027
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/357,143
				Filing Date	January 24, 2012
				First Named Inventor	Lindberg et al.
				Art Unit	2142
Examiner Name	O. R. Abdul-Ali				
Sheet	/	of	1	Attorney Docket Number	042933/414417
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
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	2	US-6,628,310	09-30-2003	Hiura et al.	
	3	US-7,676,767	03-09-2010	Hofmeister et al.	
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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			English Language Translation Attached
	15	Office Action for U.S. Application No. 12/874,206 dated May 23, 2014			
	16	Office Action for U.S. Application No. 13/594,238 dated May 28, 2014			
	17	Office Action for U.S. Application No. 13/889,750 dated May 20, 2014			
	18	Office Action for U.S. Application No. 13/323,132 dated June 9, 2014			
	19	Supplementary European Search Report for Application No. EP 11 82 1164 dated April 2, 2014			
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34891617v1

Submitted June 10, 2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A.A

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known		
				Application Number	13/357,143	
				Filing Date	01/24/2012	
				First Named Inventor	Phillip John Lindberg	
				Art Unit	2172	
Examiner Name	Boris M. Pesin					
Sheet	1	of	1	Attorney Docket Number	042933/414417	
U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
	1.	US-6,920,619	07/19/2005	Milekic		
	2.	US-7,509,140	03/24/2009	Elomaa		
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Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	9.	EP 1 450 248	08/25/2004	Giat Industries		
OTHER DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				English Language Translation Attached
	10.	International Search Report and Written Opinion from International Application No. PCT/IB2008/001662, dated December 15, 2009.				
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Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014	

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Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/357,143
				Filing Date	January 24, 2012
				First Named Inventor	Lindberg et al.
				Art Unit	2142
				Examiner Name	O. R. Abdul-Ali
Sheet	I	of	4	Attorney Docket Number 042933/414417	
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
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	2	US-5,884,185	03-16-1999	Kim	
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Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34844041v1

Submitted May 14, 2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A.A

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/357,143
				Filing Date	January 24, 2012
				First Named Inventor	Lindberg et al.
				Art Unit	2142
				Examiner Name	O. R. Abdul-Ali
Sheet	2	of	4	Attorney Docket Number	042933/414417
U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
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Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known		
				Application Number	13/357,143	
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				First Named Inventor	Lindberg et al.	
				Art Unit	2142	
Examiner Name	O. R. Abdul-Ali					
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FOREIGN PATENT DOCUMENTS						
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		*Abstract only				
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Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014	

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				Filing Date	January 24, 2012
				First Named Inventor	Lindberg et al.
				Art Unit	2142
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Sheet	4	of	4	Attorney Docket Number	042933/414417
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	57	"DevTools for .NET"; Downloaded from http://www.telerik.com/community/forums/windows-phone/transition-control/transition-from-page-to-page.aspx ; Published on November 16, 2010			
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	69	Office Action in U.S. Application No. 13/594,238 dated November 19, 2012			
	70	Office Action in U.S. Application No. 13/594,238 dated May 29, 2013			
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014

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				Application Number	13/357,143	
				Filing Date	January 24, 2012	
				First Named Inventor	Lindberg et al.	
				Art Unit	2172	
Sheet	1	of	2	Examiner Name	B. M. Pesin	
				Attorney Docket Number	042933/414417	
U. S. PATENT DOCUMENTS						
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	2	US-7,593,000	09-22-2009	Chin		
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	14	US-2010/0095206 A1	04-15-2010	Kim		
	15	US-2010/0162182 A1	06-24-2010	Oh et al.		
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Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	18	EP 2 230 623 A1	09-22-2010	LG Electronics Inc.		
	19	EP 2 256 610 A1	12-01-2010	HTC Corporation		
Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34635144v1

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				Filing Date	January 24, 2012	
				First Named Inventor	Lindberg et al.	
				Art Unit	2172	
Examiner Name	B. M. Pesin					
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	20	WO 00/33570 A1	06-08-2000	Sony Corporation		*(corresponds to US 7,610,599 previously cited)
	21	WO 2008/116395 A1	10-02-2008	Computime, Ltd.		
		*Abstract only				
OTHER DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) , volume-issue number(s), publisher, city and/or country where published.				English Language Translation Attached
	22	International Search Report and Written Opinion for Application No. PCT/FI2011/050776 mailed December 27, 2011				
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Examiner Signature	/Omar Abdul-ali/			Date Considered	06/29/2014	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. LEGAL02/34635144v1

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Electronic Patent Application Fee Transmittal

Application Number:	13889750			
Filing Date:	08-May-2013			
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE			
First Named Inventor/Applicant Name:	Phillip Lindberg			
Filer:	Guy Randall Gosnell/Lisa Rone			
Attorney Docket Number:	042933/427718			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt	
EFS ID:	19700493
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Guy Randall Gosnell/Lisa Rone
Filer Authorized By:	Guy Randall Gosnell
Attorney Docket Number:	042933/427718
Receipt Date:	28-JUL-2014
Filing Date:	08-MAY-2013
Time Stamp:	15:02:35
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	1388
Deposit Account	160605
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1		427718-IDS.PDF	108120 7a988c096a49e85c4389178dd91f85d5655058b7	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	3	
Warnings:					
Information:					
2	Non Patent Literature	414417-Office-Action.PDF	828762 615eabd78fcc38390efd447f240b893ce25a1db3	no	16
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30424 42b72b0105455509a1da6b81a100356c9b753123	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			967306		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Phillip Lindberg	Confirmation No.:	1050
Appl. No.:	13/889,750	Group Art Unit:	2142
Filed:	05/08/2013	Examiner:	Omar R Abdul-Ali
For:	UNLOCKING A TOUCH SCREEN DEVICE		

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(d)**

This Information Disclosure Statement is being filed after a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, but before payment of the Issue Fee. The Final Office Action or Notice of Allowance was mailed on June 24, 2014.

Attached is a list of documents on form PTO-1449 along with any cited foreign patent documents and non-patent literature documents in accordance with 37 CFR 1.98(a)(2). Also enclosed is a translation or a concise explanation of each non-English language document.

By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

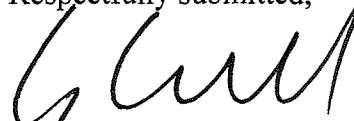
In accordance with the requirements of 37 C.F.R. § 1.97(d)(2), the following statement as specified in 37 C.F.R. § 1.97(e) is made:

No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge the person signing this document after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three (3) months prior to the filing of this statement.

In re: Phillip Lindberg
Appl. No.: 13/889,750
Filed: 05/08/2013
Page 2

The \$180.00 fee specified in 37 C.F.R. § 1.17(p) is being paid at the time of e-filing. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,



Guy R. Gosnell
Registration No. 34,610

CUSTOMER NO. 10949
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000
Tel Charlotte Office (704) 444-1000
Fax Charlotte Office (704) 444-1111

PRINTER RUSH

(PTO ASSISTANCE)

Application: 13889750

Examiner: Abdul-Ali

GAU: 2142

From: Lois Stone

Location: IDC

Creation Date: 08/14/2014

Tracking #: 13889750 Week Date: 06/23/2014

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☒ CLM	<u>06/12/2014</u>	☐ Document Legibility
☐ IIFW/FWCLM		☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☐ 312		
☐ SPEC		

[RUSH] Message:

Renumbered claim 2 (original claim 2) depends on renumbered claim 20 (original claim 21). A claim can not depend on a subsequent renumbered claim.

Thank you,
las

[XRUSH] Response:

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.

REV: Oct 11



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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

10949 7590 08/28/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

EXAMINER

ABDUL-ALI, OMAR R

ART UNIT	PAPER NUMBER
----------	--------------

2142

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

08/28/2014

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Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/889,750	08 May, 2013	LINDBERG ET AL.	042933/427718

Nokia Corporation and Alston & Bird LLP c/o Alston & Bird LLP Bank of America Plaza, 101 South Tryon Street Suite 4000 Charlotte, NC 28280-4000		EXAMINER	
		OMAR ABDUL-ALI	
		ART UNIT	PAPER
		2142	20140823

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The IDS filed 7/28/2014 has been taken into consideration.

/OMAR ABDUL-ALI/
Primary Examiner, Art Unit 2142

<i>Index of Claims</i> 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant					☐ CPA					☐ T.D.					☐ R.1.47				
CLAIM		DATE																	
Final	Original	10/01/2013	05/01/2014	06/13/2014															
1	1	✓	✓	=															
20	2	✓	✓	=															
3	3	✓	✓	=															
4	4	✓	✓	=															
	5	✓	✓	-															
5	6	✓	✓	=															
6	7	✓	✓	=															
7	8	✓	✓	=															
8	9	✓	✓	=															
9	10	✓	✓	=															
10	11	✓	✓	=															
11	12	✓	✓	=															
12	13	✓	✓	=															
13	14	✓	✓	=															
14	15	✓	✓	=															
15	16	✓	✓	=															
16	17	✓	✓	=															
17	18	✓	✓	=															
18	19	✓	✓	=															
19	20	✓	✓	=															

Issue Classification 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

CPC					
Symbol				Type	Version
G06F		3	04817	F	2013-01-01
G06F		3	0486	I	2013-01-01
G06F		3	04883	I	2013-01-01
H04M		1	677	I	2013-01-01
G06F		3	0488	I	2013-01-01
H04M		2250	22	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	19	
/OMAR ABDUL-ALI/ Primary Examiner.Art Unit 2142	6/13/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	Claim 1	Fig. 2b

Issue Classification 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION													
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED								
715			863			G	0	6	F	3 / 033 (2013.01.01)									
CROSS REFERENCE(S)																			
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																		

NONE		Total Claims Allowed:	
		19	
(Assistant Examiner)	(Date)		
/OMAR ABDUL-ALI/ Primary Examiner.Art Unit 2142	6/13/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	Claim 1	Fig. 2b

Issue Classification 	Application/Control No. 13889750	Applicant(s)/Patent Under Reexamination LINDBERG ET AL.
	Examiner OMAR ABDUL-ALI	Art Unit 2142

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	15	17												
20	2	16	18												
2	3	17	19												
3	4	18	20												
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9	11														
10	12														
11	13														
12	14														
13	15														
14	16														

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 19	
/OMAR ABDUL-ALI/ Primary Examiner.Art Unit 2142 (Primary Examiner) _____ (Date) _____		6/13/2014 (Date) _____	O.G. Print Claim(s) Claim 1
			O.G. Print Figure Fig. 2b

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Application	Document	Mailroom Date	Attorney Docket No.
13889750	M327	08/28/2014	042933/427718

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050
10949 7590 09/08/2014 Nokia Corporation and Alston & Bird LLP c/o Alston & Bird LLP Bank of America Plaza, 101 South Tryon Street Suite 4000 Charlotte, NC 28280-4000			EXAMINER ABDUL-ALI, OMAR R	
			ART UNIT 2142	PAPER NUMBER
			NOTIFICATION DATE 09/08/2014	DELIVERY MODE ELECTRONIC

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Application No. : 13889750
Applicant : Lindberg
Filing Date : 05/08/2013
Date Mailed : 09/08/2014

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED.

See attachment(s).

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IDENTIFICATION OF DRAWING DEFICIENCIES

- ☐ There is a hole or the image thereof within the illustration. FIG(s)
- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- ☐ An ink stamp or the image thereof obscures part of the illustration. FIG(s)
- ☐ The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- ☐ Figure numbers are duplicated or missing. FIG(s)
- ☐ Drawing sheet or figure is missing. FIG(s)
- ☐ Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- ☐ The character of the lines, numbers, and letters is poor. FIG(s)
- ☐ The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- ☐ The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- ☒ Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s) 2D,5
- ☐ The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- ☐ This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- ☐ A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- ☐ This reissue application contains amended drawings that are not labeled as "Amended" as required by 37 CFR 1.173(b)(3). FIG(s)
- ☐ OTHER:
- ☐ COMMENTS:

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Sep 08, 2014 05:27:18 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13889750	M327	09/08/2014	042933/427718

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 13/889,750 Confirmation No.: 1050
Applicant(s): Lindberg et al.
Filed: May 8, 2013
Art Unit: 2142
Examiner: Omar R. Abdul-Ali
Title: UNLOCKING A TOUCH SCREEN DEVICE

Docket No.: 042933/427718
Customer No.: 10949

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Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Notice to File Corrected Application Papers dated September 8, 2014, please amend the above-identified application as follows:

Amendments to the Drawings begin on page 2 of this paper.

Remarks begin on page 3 of this paper.

An **Appendix** including replacement Figures 2D and 5 is provided following page 3 of this paper.

Appl. No.: 13/889,750
Amdt. dated 09/11/2014
Reply to Notice to File Corrected Application Papers

Amendments to the Drawings:

Please replace Figures 2D and 5 with the updated figures attached herewith. The updated figures include the same information, but correct the presentation of several reference numbers and block labels that were offset in the original figures.

Attachment: Figures 2D and 5

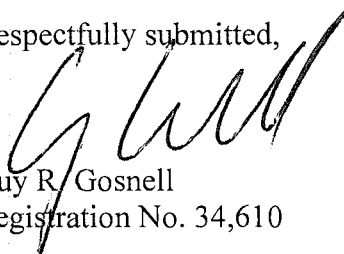
Appl. No.: 13/889,750
Amdt. dated 09/11/2014
Reply to Notice to File Corrected Application Papers

REMARKS

The Notice to File Corrected Application Papers (copy attached) indicates that Figures 2D and 5 include data, such as reference numbers, that are truncated or missing. In particular, several reference numbers and block labels in Figures 2D and 5 were offset with one letter or number higher or lower than the adjacent letter or number. The replacement version of Figures 2D and 5 submitted herewith correct this inconsistency without introducing any new matter. Thus, the issues relating to the presentation of data, such as reference numbers, in Figures 2D and 5 has now been rectified, thereby fully responding to the Notice to File Corrected Application Papers.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefor (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,


Guy R. Gosnell
Registration No. 34,610

Customer No. 10949
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000
Tel Charlotte Office (704) 444-1000
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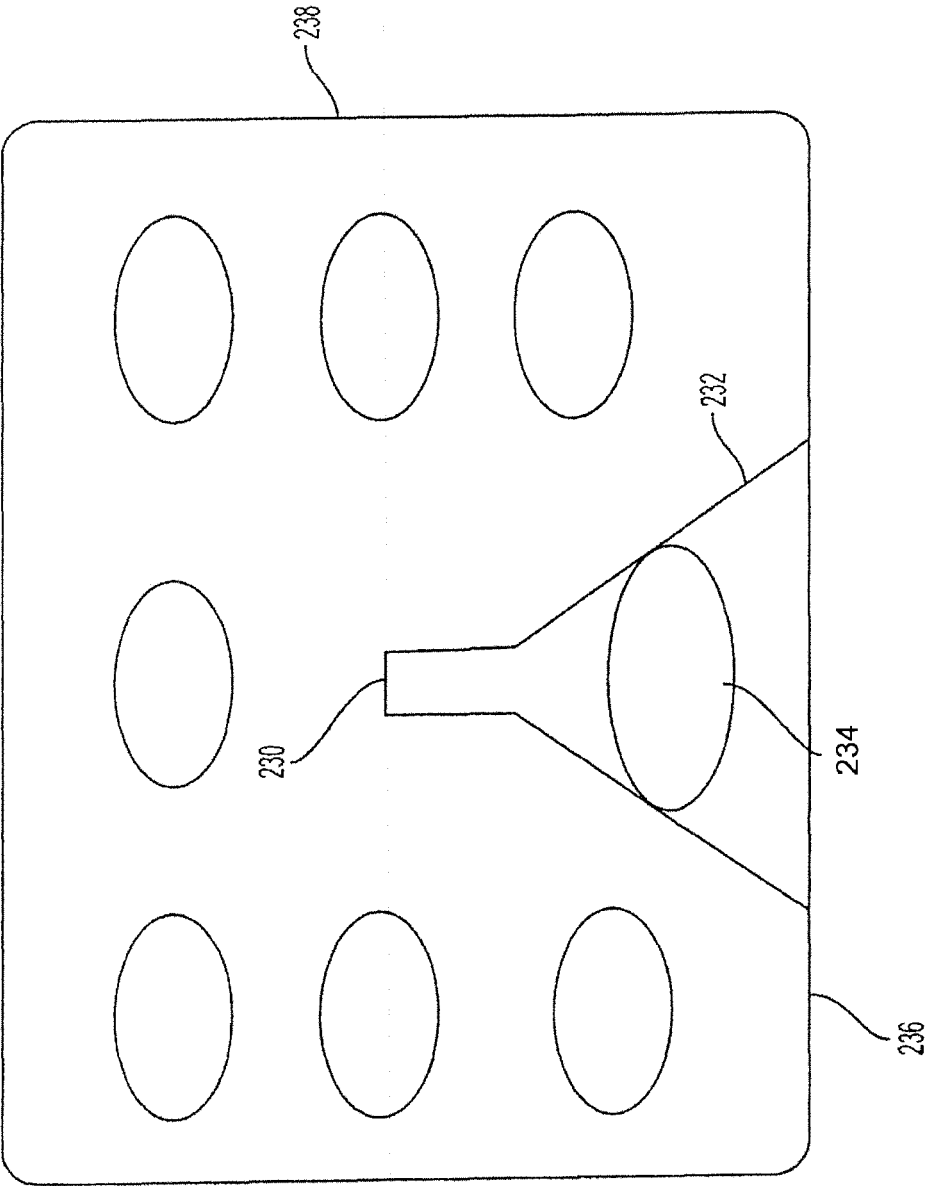


FIG. 2D

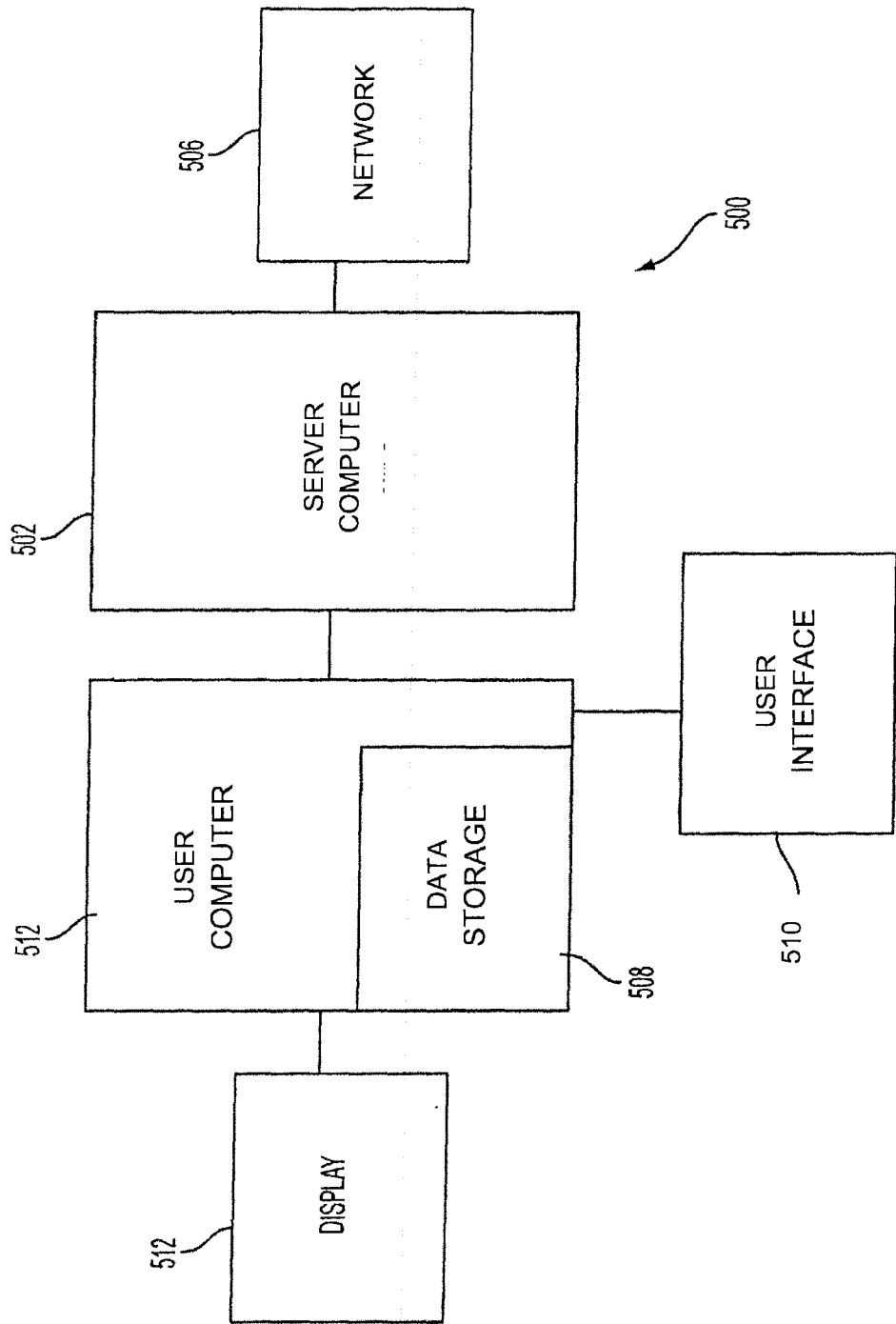


FIG. 5



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050
10949	7590	09/08/2014		
Nokia Corporation and Alston & Bird LLP c/o Alston & Bird LLP Bank of America Plaza, 101 South Tryon Street Suite 4000 Charlotte, NC 28280-4000			EXAMINER ABDUL-ALI, OMAR R	
			ART UNIT 2142	PAPER NUMBER
			NOTIFICATION DATE 09/08/2014	DELIVERY MODE ELECTRONIC

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Application No. : 13889750
Applicant : Lindberg
Filing Date : 05/08/2013
Date Mailed : 09/08/2014

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

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See attachment(s).

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- ☐ This reissue application contains amended drawings that are not labeled as "Amended" as required by 37 CFR 1.173(b)(3). FIG(s)
- ☐ OTHER:
- ☐ COMMENTS:

Electronic Acknowledgement Receipt

EFS ID:	20106637
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Guy Randall Gosnell/Emma Pham
Filer Authorized By:	Guy Randall Gosnell
Attorney Docket Number:	042933/427718
Receipt Date:	11-SEP-2014
Filing Date:	08-MAY-2013
Time Stamp:	09:30:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amendment.pdf	181257 3cff0a214d01ac448ca6d3394abb6904281f2e93	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment after Notice of Allowance (Rule 312)	1	1
	Drawings-only black and white line drawings	2	2
	Applicant Arguments/Remarks Made in an Amendment	3	3
	Drawings-only black and white line drawings	4	5
	Miscellaneous Incoming Letter	6	8
Warnings:			
Information:			
Total Files Size (in bytes):		181257	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.			

PRINTER RUSH

(PTO ASSISTANCE)

Application: 13889750

Examiner: Abdul-Ali

GAU: 2142

From: Natarsha Horne

Location: RTFM

Creation Date: 09/22/2014

Tracking #: Week Date:

<u>DOC CODE</u>	<u>DOC DATE</u>	<u>MISCELLANEOUS</u>
☐ 1449	<u>07/28/2014</u>	☐ Continuing Data
☒ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW/FWCLM		☐ Fees
☐ SRFW		☐ Petition (TC)
☐ DRW		☐ Other
☐ OATH		
☐ 312		
☐ SPEC		

[RUSH] Message:

Please respond to the 7/28/2014, IDS

Thank You
NYH

[XRUSH] Response:

Initials: _____

Examiner: PUBS contacts - for DESIGNS: Don Fairchild, 703-756-1566; for ALL OTHER files: Bernadette Queen, 703-756-1565.

NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.

REV: Oct 11

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

10949 7590 06/24/2014
 Nokia Corporation and Alston & Bird LLP
 c/o Alston & Bird LLP
 Bank of America Plaza, 101 South Tryon Street
 Suite 4000
 Charlotte, NC 28280-4000

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

TITLE OF INVENTION: UNLOCKING A TOUCH SCREEN DEVICE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	09/24/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
ABDUL-ALI, OMAR R	2142	715-763000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Alston & Bird LLP

2. _____

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Nokia Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Espoo, Finland

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 16-0605 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature

Date September 24, 2014

Typed or printed name Guy R. Gosnell

Registration No. 34,610

Electronic Patent Application Fee Transmittal				
Application Number:		13889750		
Filing Date:		08-May-2013		
Title of Invention:		UNLOCKING A TOUCH SCREEN DEVICE		
First Named Inventor/Applicant Name:		Phillip Lindberg		
Filer:		Jason P. Cooper/Jennifer Son		
Attorney Docket Number:		042933/427718		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	1501	1	960	960
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt	
EFS ID:	20227256
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Jason P. Cooper/Jennifer Son
Filer Authorized By:	Jason P. Cooper
Attorney Docket Number:	042933/427718
Receipt Date:	24-SEP-2014
Filing Date:	08-MAY-2013
Time Stamp:	11:11:35
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 960
RAM confirmation Number	8185
Deposit Account	160605
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	427718IssueFee.PDF	978458	no	1
			f73296ec08d111f047a7734832c90169842cfee		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30426	no	2
			b89267b19a19dc21b86fd4fcdd7532cac9cca9c6		

Warnings:

Information:

Total Files Size (in bytes):			1008884
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

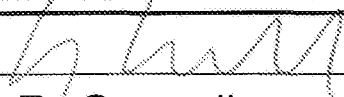
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

**CERTIFICATION AND REQUEST FOR CONSIDERATION OF AN INFORMATION DISCLOSURE
STATEMENT FILED AFTER PAYMENT OF THE ISSUE FEE UNDER THE QPIDS PILOT PROGRAM**

Non-Provisional Application Number: 13/889750	Filing Date: 05/08/2013
First Named Inventor: Lindberg	Title of Invention: UNLOCKING A TOUCH SCREEN DEVICE

**THE UNDERSIGNED HEREBY CERTIFIES AND REQUESTS THE FOLLOWING FOR THE ABOVE-
IDENTIFIED APPLICATION.**

1. Consideration is requested of the information disclosure statement (IDS) submitted herewith, which is being filed after payment of the issue fee.
2. Check the box next to the appropriate selection:
☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS. See 37 CFR 1.97(e)(1).
OR
☒ No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the IDS. See 37 CFR 1.97(e)(2).
3. Please charge the IDS fee set forth in 37 CFR 1.17(p) to Deposit Account No. 16-0605.
4. A Petition to Withdraw from Issue After Payment of the Issue Fee (37 CFR 1.313(c)(2)), including the petition fee set forth in 37 CFR 1.17(h), is submitted herewith as a **Web-based ePetition**.
WARNING: Do not submit the petition as a follow-on paper via EFS-Web. Submit the petition as a Web-based ePetition by signing on to EFS-Web as a registered user, selecting the radio button next to "Existing application/patent," and then selecting the radio button next to "ePetition (for automatic processing and immediate grant, if all petitions requirements are met)." Failure to use the Web-based ePetition interface will result in automatic entry of the RCE.
5. A request for continued examination (RCE) under 37 CFR 1.114 and the RCE fee under 37 CFR 1.17(e) are submitted herewith.
6. The RCE will be treated as a "conditional" RCE. In the event the examiner determines that any item of information contained in the IDS necessitates the reopening of prosecution in the application, the undersigned understands that (i) the RCE will be processed and treated as an RCE under 37 CFR 1.114 and therefore (ii) the IDS fee under 37 CFR 1.17(p) will be returned in accordance with 37 CFR 1.97(b)(4). In the event that no item of information in the IDS necessitates reopening prosecution, the undersigned understands that the RCE will not be processed and the RCE fee under 37 CFR 1.17(e) will be returned.
7. This certification and request is being filed as a **Web-based ePetition** and is not accompanied by an amendment to the application. Inclusion of an amendment will result in automatic entry of the RCE.

Signature 	Date 2014-10-24
Name (Print/Typed) Guy R. Gosnell	Practitioner Registration Number 34610 (If applicable)
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature. If necessary, submit multiple forms for more than one signature, see below.*	
☐ *Total of _____ forms are submitted.	

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Lindberg et al.	Confirmation No.:	1050
Appl. No.:	13/889,750	Group Art Unit:	2142
Filed:	05/08/2013	Examiner:	Omar R. Abdul-Ali
For:	UNLOCKING A TOUCH SCREEN DEVICE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(d)**

This Information Disclosure Statement is being filed after a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311. The Final Office Action or Notice of Allowance was mailed on June 24, 2014.

Attached is a list of documents on form PTO-1449 along with any cited foreign patent documents and non-patent literature documents in accordance with 37 CFR 1.98(a)(2). Also enclosed is a translation or a concise explanation of each non-English language document.

By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

In accordance with the requirements of 37 C.F.R. § 1.97(d)(2), the following statement as specified in 37 C.F.R. § 1.97(e) is made:

No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge the person signing this document after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three (3) months prior to the filing of this statement.

In re: Lindberg et al.
Appl. No.: 13/889,750
Filed: 05/08/2013
Page 2

The \$180.00 fee specified in 37 C.F.R. § 1.17(p) is being paid at the time of e-filing. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,



Guy R. Gosnell
Registration No. 34,610

CUSTOMER No. 10949
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000
Tel Charlotte Office (704) 444-1000
Fax Charlotte Office (704) 444-1111

ELECTRONICALLY FILED USING THE EFS-WEB ELECTRONIC FILING SYSTEM OF THE UNITED STATES PATENT & TRADEMARK OFFICE ON October 24, 2014.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	13/889750
Filing Date	05/08/2013
First Named Inventor	Lindberg et al.
Art Unit	2142
Examiner Name	Omar R. Abdul-Ali
Attorney Docket Number	042933/427718

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

- a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ii. ☐ Other _____
- b. ☒ Enclosed
- i. ☐ Amendment/Reply
- ii. ☐ Affidavit(s)/ Declaration(s)
- iii. ☒ Information Disclosure Statement (IDS)
- iv. ☐ Other _____

2. Miscellaneous

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. ☐ Other _____

3. Fees

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to
- a. ☒ Deposit Account No. 16-0605
- i. ☒ RCE fee required under 37 CFR 1.17(e)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☐ Other _____
- b. ☐ Check in the amount of \$ _____ enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature		Date	2014-10-24
Name (Print/Type)	Guy R. Gesele	Registration No.	34610

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature		Date	
Name (Print/Type)			

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/889750
				Filing Date	05/08/2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
Examiner Name	Omar R. Abdul-Ali				
Sheet	1	of	1	Attorney Docket Number	042933/427718

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	<u>Document Number</u> Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-2011/0209057	08-25-2011	Hinckley et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	<u>Foreign Patent Document</u> Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached

OTHER DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) , volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	2	Office Action for U.S. Application No. 13/323,132 dated October 23, 2014	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBMITTED 10/24/2014

Electronic Patent Application Fee Transmittal				
Application Number:		13889750		
Filing Date:		08-May-2013		
Title of Invention:		UNLOCKING A TOUCH SCREEN DEVICE		
First Named Inventor/Applicant Name:		Phillip Lindberg		
Filer:		Guy Randall Gosnell/Lauren Martin		
Attorney Docket Number:		042933/427718		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Petition fee- 37 CFR 1.17(h) (Group III)	1464	1	140	140
Request for Continued Examination	1801	1	1200	1200
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1340



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Decision Date : October 24, 2014

In re Application of :

Phillip Lindberg

DECISION ON PETITION

UNDER CFR 1.313(c)(2)

Application No : 13889750

Filed : 08-May-2013

Attorney Docket No : 042933/427718

This is an electronic decision on the petition under 37 CFR 1.313(c)(2), filed October 24, 2014 , to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid in this application cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

This application file is being referred to Technology Center AU 2142 for processing of the request for continuing examination under 37 CFR 1.114 .

Office of Petitions

Electronic Acknowledgement Receipt	
EFS ID:	20513192
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Guy Randall Gosnell/Lauren Martin
Filer Authorized By:	Guy Randall Gosnell
Attorney Docket Number:	042933/427718
Receipt Date:	24-OCT-2014
Filing Date:	08-MAY-2013
Time Stamp:	16:26:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1340
RAM confirmation Number	2897
Deposit Account	160605
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition automatically granted by EFS	petition-request.pdf	31562	no	2
			07e74218f7f3e554cc8c918e0fb09289d2be2905		
Warnings:					
Information:					
2	Request for Continued Examination (RCE)	427718RCE.pdf	905485	no	1
			06c37df607e70d8955f6de13c24ad868ee43b3db		
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
3	Quick Path Information Disclosure Statement	427718QPIDS.pdf	941364	no	1
			d98dd52d421ae9554d73cc1cc47cf695d5ed3ac2		
Warnings:					
Information:					
4		427718IDS.pdf	274296	yes	3
			d982812622bcb8a61bd190339308fc867255cf6		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	3	
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	32075	no	2
			627ee4d3e10d85d3d786434eef81bf1cee8a4868		
Warnings:					
Information:					
Total Files Size (in bytes):			2184782		

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: PET.AUTO Document Description: Petition automatically granted by EFS-Web		PTO/SB/140 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	PETITION TO WITHDRAW AN APPLICATION FROM ISSUE AFTER PAYMENT OF THE ISSUE FEE UNDER 37 CFR 1.313(c)	
Application Number	13889750	
Filing Date	08-May-2013	
First Named Inventor	Phillip Lindberg	
Art Unit	2142	
Examiner Name	OMAR ABDUL-ALI	
Attorney Docket Number	042933/427718	
Title	UNLOCKING A TOUCH SCREEN DEVICE	
An application may be withdrawn from issue for further action upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary. APPLICANT HEREBY PETITIONS TO WITHDRAW THIS APPLICATION FROM ISSUE UNDER 37 CFR 1.313(c). A grantable petition requires the following items: (1) Petition fee; and (2) One of the following reasons: (a) Unpatentability of one or more claims, which must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable; (b) Consideration of a request for continued examination in compliance with § 1.114 (for a utility or plant application only); or (c) Express abandonment of the application. Such express abandonment may be in favor of a continuing application, but not a CPA under 37 CFR 1.53(d).		
Petition Fee		
☐ Small Entity		
☐ Micro Entity		
☒ Regular Undiscounted		
Reason for withdrawal from issue		

- ☐ One or more claims are unpatentable
- ☒ Consideration of a request for continued examination (RCE) (List of Required Documents and Fees)
- ☐ Applicant hereby expressly abandons the instant application (any attorney/agent signing for this reason must have power of attorney pursuant to 37 CFR 1.32(b)).

RCE request, submission, and fee.

- ☐ I certify, in accordance with 37 CFR 1.4(d)(4) that:
- ☐ The RCE request, submission, and fee have already been filed in the above-identified application on
- ☒ Are attached.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

- ☒ An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application.
- ☐ An attorney or agent registered to practice before the Patent and Trademark Office, acting in a representative capacity.
- ☐ A sole inventor
- ☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- ☐ A joint inventor; all of whom are signing this e-petition

Signature	/Guy R. Gosnell/
Name	Guy R. Gosnell
Registration Number	34610



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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	05/08/2013	Phillip Lindberg	042933/427718	1050

10949 7590 11/18/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

EXAMINER

ABDUL-ALI, OMAR R

ART UNIT	PAPER NUMBER
----------	--------------

2142

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

11/18/2014

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptomail@alston.com

Corrected Notice of Allowability	Application No. 13/889,750	Applicant(s) LINDBERG ET AL.	
	Examiner OMAR ABDUL-ALI	Art Unit 2142	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the QPIDS filed 10/24/2014.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1-4 and 6-21. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has **THREE MONTHS FROM THE "MAILING DATE"** of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>10/24/14</u> | 6. ☐ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 7. ☐ Other _____. |
| 4. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/OMAR ABDUL-ALI/
 Primary Examiner, Art Unit 2142

Substitute for form 1449/PTO (Revised 07/2007) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	13/889750
				Filing Date	05/08/2013
				First Named Inventor	Lindberg et al.
				Art Unit	2142
Examiner Name	Omar R. Abdul-Ali				
Sheet	1	of	1	Attorney Docket Number	042933/427718

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
/O.A.A./	1	US-2011/0209057	08-25-2011	Hinckley et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached

OTHER DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) , volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
/O.A.A./	2	Office Action for U.S. Application No. 13/323,132 dated October 23, 2014	

Examiner Signature	/Omar Abdul-ali/	Date Considered	11/12/2014
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBMITTED 10/24/2014

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20110209057").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2014/11/12 17:10

EAST Search History (Interference)

< This search history is empty >

11/ 12/ 2014 5:11:15 PM

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 11/17/2014

KWATSON	SALE	#00000004	Mailroom Dt:	10/24/2014	160605	13889750
		01	FC : 1806	180.00	DA	

To: usptomail@alston.com,,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
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Nov 18, 2014 05:28:07 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13889750	NOA	11/18/2014	042933/427718
	1449	11/18/2014	042933/427718

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PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Electronic Acknowledgement Receipt

EFS ID:	20513192
Application Number:	13889750
International Application Number:	
Confirmation Number:	1050
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE
First Named Inventor/Applicant Name:	Phillip Lindberg
Customer Number:	10949
Filer:	Guy Randall Gosnell/Lauren Martin
Filer Authorized By:	Guy Randall Gosnell
Attorney Docket Number:	042933/427718
Receipt Date:	24-OCT-2014
Filing Date:	08-MAY-2013
Time Stamp:	16:26:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1340
RAM confirmation Number	2897
Deposit Account	160605
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Electronic Patent Application Fee Transmittal

Application Number:	13889750			
Filing Date:	08-May-2013			
Title of Invention:	UNLOCKING A TOUCH SCREEN DEVICE			
First Named Inventor/Applicant Name:	Phillip Lindberg			
Filer:	Guy Randall Gosnell/Lauren Martin			
Attorney Docket Number:	042933/427718			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Petition fee- 37 CFR 1.17(h) (Group III)	1464	1	140	140
Request for Continued Examination	1801	1	1200	1200
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Adjustment date: 11/18/2014 SDIRETAL
10/27/2014 INTERF 00002897 160605 13889750
02 FC:1801 1200.00 CR



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/889,750	12/23/2014	8918741	042933/427718	1050

10949 7590 12/03/2014
Nokia Corporation and Alston & Bird LLP
c/o Alston & Bird LLP
Bank of America Plaza, 101 South Tryon Street
Suite 4000
Charlotte, NC 28280-4000

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Phillip Lindberg, Helsinki, FINLAND;
Sami Niemela, Helsinki, FINLAND;
NOKIA CORPORATION, Espoo, FINLAND

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Cc: PAIR_eOfficeAction@uspto.gov
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Dec 04, 2014 05:26:59 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13889750	ISSUE.NTF	12/03/2014	042933/427718

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**Courtesy Reminder for
Application Serial No: 13/889,750**

Attorney Docket No: 042933/427718

Customer Number: 10949

Date of Electronic Notification: 06/24/2014

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usptomail@alston.com

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