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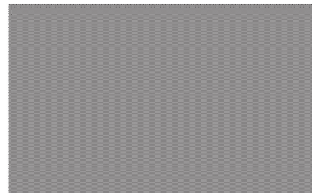
In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

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Signed

Dated





Patents Form 1

Patents Act 1977 (Rule 12)

Request for grant of a patent

Concept House
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Application number GB 1021292.6

1. Your reference	P26415GB/SSA		
2. Full name, address and postcode of the applicant or of each applicant	Wright, Andrew William Cedar Springs Waverley Drive Virginia Water GU25 4PZ Surrey United Kingdom		
Patents ADP number (if you know it)			
3. Title of the invention	Improvements Relating to Vehicle Recording Systems		
4. Name of your agent (if you have one)	Keltie		
"Address for service" to which all correspondence should be sent. This may be in the European Economic area or Channel Islands (see warning note below)	Keltie		
(including the postcode)	Fleet Place House		
	2 Fleet Place		
	London EC4M 7ET		
	United Kingdom		
Patents ADP number (if you know it)			
5. Priority declaration: Are you claiming priority from one or more earlier-filed patent applications? If so, please give details of the application(s)			
Country	Application number	Date of filing	Date available on PDAS
6. Divisionals etc: Is this application a divisional application, or being made following resolution of an entitlement dispute about an earlier application. If so, please give the application number and filing date of the earlier application	Number of earlier UK application	Date of filing (day / month / year)	
7. Inventorship: (Inventors must be individuals not companies)			
Are all the applicants named above also inventors?	Yes		
If yes, are there any other inventors?	No		
8. Are you paying the application fee with this form?	No		

Patents Form 1

9. Accompanying documents: please enter the number of pages of each item accompanying this form.

Continuation sheets of this form

Description: **2**
Claim(s): **n/a**
Abstract: **n/a**
Drawing(s): **n/a**

If you are not filing a description, please give details of the previous application you are going to rely upon

Country	Application number	Date of filing	Date available on PDAS
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10. If you are also filing any of the following, state how many against each item.

Priority documents: **0**

Statement of inventorship and right to grant of a patent
(Patents Form 7): **0**

Request for search (Patents Form 9A): **0**

Request for a substantive examination (Patents Form 10): **0**

Any other documents (please specify):

11. I/We request the grant of a patent on the basis of this application.

Signature:	Subject: GB, Keltie, S. Ahmad 19226; Issuer: , European Patent Office, European Patent Office CA	Date:	15 Dec 2010
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|---|--|

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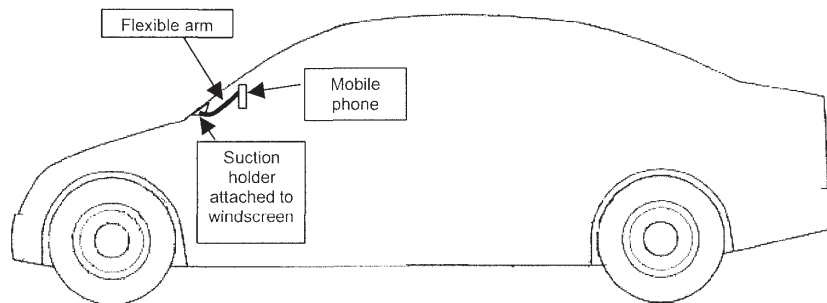
Although you may have an address for service in the Channel Islands, any agent instructed to act for you must reside or have a place of business in the European Economic Area or Isle of Man.

“Witness”:
loop recording of video using a mobile phone to
promote car safety and
establish the cause of road accidents

Accidents recorded in the UK ‘On the spot’ investigation showed 34% of accidents involved only one car. In the USA, in 2007, fifty-eight percent of fatal crashes involved only one vehicle. There are many accidents where there is little reliable evidence of what caused the accident.

In-car systems do exist which can record video of events leading up to car accidents but they are expensive and require time & skill to install. This means that usage rates are low & generally limited to fleets of commercial vehicles. “Witness” utilises a mobile phone making it simple to install and use and making it available to the majority of people at very low cost because it simply requires a program to be downloaded.

When driving, the driver places their mobile phone into a standard suction holder so that the camera faces forward through the windscreen. The phone is attached to a car’s power source via the cigarette lighter. The phone senses the change of power source from the phone battery to the car battery/alternator and automatically switches on the “Witness” phone application. Otherwise, the driver simply starts the programme before driving away.



The ‘app’ begins recording video in a loop of a variable amount of time (between one minutes and ten depending on available memory) so that video older than the required time is deleted as new video is recorded over it. The time and date of the recording is embedded at various points within the video file which is recorded.

The phone will automatically adjust the camera settings for daytime or night-time recording by reducing the number of frames recorded per second depending on external light levels.

At the same time the GPS facility on the phone records speed and location of the vehicle. This information is also embedded within the video.

Where a rear camera is present on the mobile phone this also records so that some indication of events inside the car is recorded.

These recordings carry on in the 'background' so that the user is still able to use the hands-free and/or satellite navigation functions on the phone.

In the event of a sudden deceleration or acceleration (set to be triggered by a collision at the front or from the rear), the phone will continue to record for a short period and then stop and save the data. Alternatively, if this mechanism is not triggered, the driver can touch the phone screen and stop the camera.

The data is compressed to minimise the size of the file and make it easier to store and send via e-mail. The inclusion of date, time, speed and GPS location embedded within the digital video make it suitable for use by insurance companies and law enforcement agencies in establishing the cause of the accident and the veracity of the data file.

An audio/visual prompt will then occur which asks the driver if an accident has happened. If the driver pushes the "Yes" button the phone then makes a series of suggestions to keep the driver safe and to help record important details. The prompts would include taking pictures of the scene of the accident, other cars, the other drivers and passengers. The phone would also prompt the recording of the names and addresses of drivers, passengers and other witnesses. The prompts could also remind the person of their responsibilities at the scene of the accident.

Such an application might be provided by insurance companies to drivers who promise to use it in return for a reduction in their insurance premium or excess – this on the understanding that there will be a recording of any accident otherwise the excess is at the normal level.

The video recording of the accident may reduce the cost of establishing who caused an accident. It will reduce the risk of insurance fraud and the knowledge that the driver's own driving is being recorded will reduce risky driving behaviour.