

Exhibit 756-A13
Invalidity Chart for U.S. Patent No. 11,770,756 In View of Smith

U.S. Patent Application Publication No. 2007/0124211 (“Smith”) was filed on May 25, 2006, published on May 31, 2007, and therefore qualifies as prior art under at least 35 U.S.C. §§ 102(a), (b), and (e) as to the asserted claims of U.S. Pat. No. 11,770,756 (“the ’756 Patent”). Smith, including any material incorporated by reference into Smith, anticipates claims 1-18 (“the Asserted Claims”) of the ’756 Patent under 35 U.S.C. § 102. Smith also renders obvious the Asserted Claims under 35 U.S.C. § 103, alone based on the state of the art and/or in combination with one or more references identified in Samsung’s accompanying disclosure for the ’756 Patent.¹

To the extent Plaintiff alleges that the Smith does not disclose any particular limitation of the Asserted Claims of the ’756 Patent, either expressly or inherently, it would have been obvious to a person of ordinary skill in the art as of the priority date of the ’756 Patent to modify the Smith reference and/or to combine the teachings of the Smith reference with other prior art references, including but not limited to the present prior art references found in Exhibit 756-B and the corresponding section(s) of charts for other prior art references for the ’756 Patent in a manner that would have rendered the Asserted Claims invalid as obvious.

With respect to the obviousness of the Asserted Claims under 35 U.S.C. § 103, one or more of the principles enumerated by the United States Supreme Court in *KSR v. Teleflex*, 550 U.S. 398 (2007) apply, including: (a) combining various claimed elements known in the prior art according to known methods to yield a predictable result; and/or (b) making a simple substitution of one or more known elements for another to obtain a predictable result; and/or (c) using a known technique to improve a similar device or method in the same way; and/or (d) applying a known technique to a known device or method ready for improvement to yield a predictable result; and/or (e) choosing from a finite number of identified, predictable solutions with a reasonable expectation of success or, in other words, the solution was one which was “obvious to try”; and/or (f) a known work in one field of endeavor prompting variations of it for use either in the same field or a different field based on given design incentives or other market forces in which the variations were predictable to one of ordinary skill in the art; and/or (g) a teaching, suggestion, or motivation in the prior art that would have led one of ordinary skill in the art to modify the prior art reference or to combine the teachings of various prior art references to arrive at the claimed invention. It therefore would have been obvious to one of ordinary skill in the art to combine the disclosures of these references in accordance with the principles and rationales set forth above.

¹ Samsung notes that Plaintiff appears in many instances to be pursuing overly broad constructions of various limitations of the asserted claims of the ’756 Patent in an effort to piece together an infringement claim where none exists and to accuse a product that does not practice the claims. This claim chart may take into account Plaintiff’s overly broad constructions of the claim limitations. Any assertion that a particular limitation is disclosed by a prior art reference may be based on Plaintiff’s apparent constructions and is not intended to be, and is not, an admission that such constructions are supportable or proper.

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The citations to portions of any reference in this chart are exemplary only. For example, a citation that refers to or discusses a figure or figure item should be understood to also incorporate by reference that figure and any additional descriptions of that figure as if set forth fully therein. Samsung reserves the right to rely on the entirety of the references cited in this chart to show that the Asserted Claims are invalid. Citations presented for one claim limitation are expressly incorporated by reference into all other limitations for that claim as well as all limitations of all claims on which that claim depends. Samsung also reserves the right to rely on additional citations or sources of evidence that also may be applicable, or that may become applicable in light of claim construction, changes in Plaintiff's infringement contentions, and/or information obtained during discovery as the case progresses.

Claim	U.S. Patent No. 11,770,756	Exemplary Disclosure in Smith
[1.1]	A method of operating a device, the method comprising:	To the extent the preamble is limiting, Smith discloses “a method of operating a device, the method comprising:” See e.g.: The present invention relates to systems, methods and apparatus for making purchase transactions at a point-of-sale. A wireless purchase device (WPD) comprising a short range communications device for communication with vendor point-of-sale equipment such as a wireless vendor device (WVD) and a long range communications device for communications with credit or debit authorization processors. In preferred embodiments, a WVD will communicate vendor identification data and a transaction purchase price to a WPD and a WPD user will determine whether to complete the transaction. The transaction may be completed by transmitting the vendor identification and purchase data to an authorization processor for credit or debit approval. Authorization approval or denial is transmitted to the WPD where the user is discretely notified of the outcome. If approved, the user may transmit the approval to the WVD to complete the transaction. Using the systems and methods of the present invention, vendors need not maintain long range communications between points-of-sale and authorization processors or other parties. Purchasers also benefit from the discrete notification of credit or debit approval or rejection Smith at Abstract Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-

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		A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[1.2]	sensing by the device, using a device-based sensor, a parameter that is associated with the device, an environment of the device and/or a user of the device;	Smith discloses “sensing by the device, using a device-based sensor, a parameter that is associated with the device, an environment of the device and/or a user of the device;” See e.g.: Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of

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a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.

Smith at Para 0038

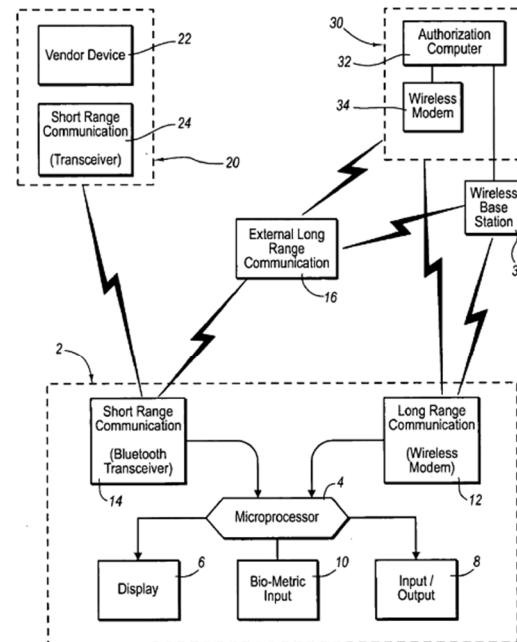


Figure 1

[Fig.1]

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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[1.3]	determining by the device a value of the parameter that is sensed; and	Smith discloses “determining by the device a value of the parameter that is sensed; and” See e.g.: In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of

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		ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[1.4]	responsive to the value that is determined by the device for the parameter that is sensed satisfying a threshold criterion, enabling by the device a number of functions of the device and disabling by the device a function of the device;	Smith discloses “responsive to the value that is determined by the device for the parameter that is sensed satisfying a threshold criterion, enabling by the device a number of functions of the device and disabling by the device a function of the device;” See e.g.: Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available

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		products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[1.5]	wherein the parameter that is sensed using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a	Smith discloses “wherein the parameter that is sensed using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and” See e.g.: Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may

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	physiological state and/or a psychological state; and	use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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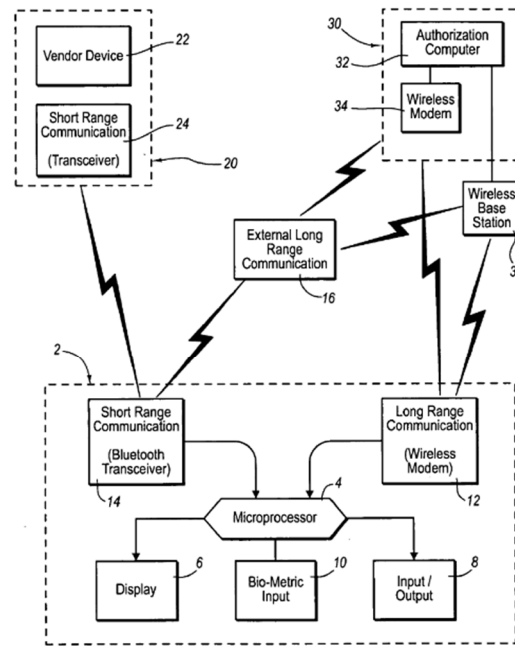


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

[1.6] wherein the device comprises a smartphone.

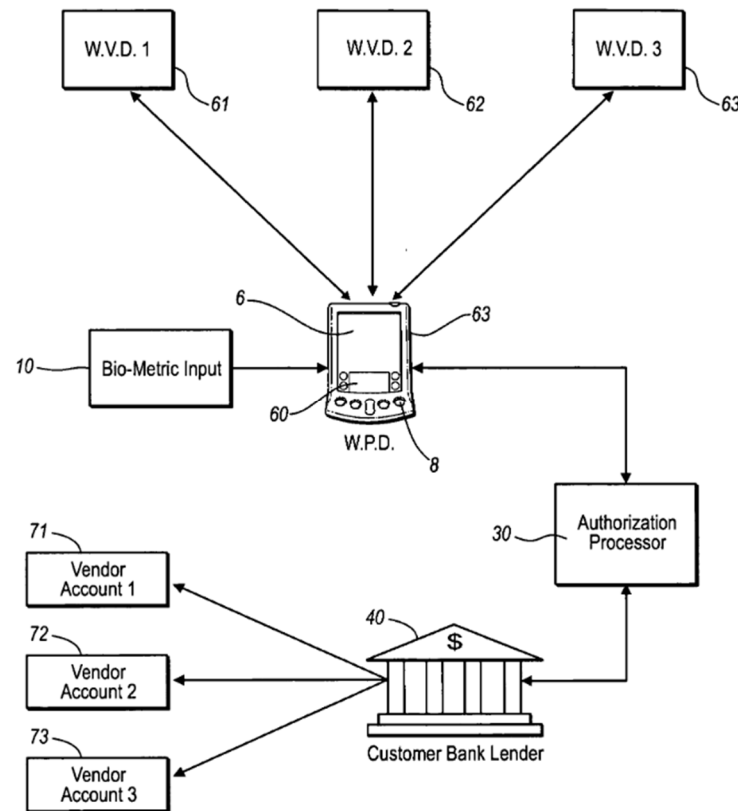
Smith discloses “wherein the device comprises a smartphone.” See e.g.:

When a consumer already has possession of a cell phone or other long range communications device 16 which also has short range communications ability,

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such as a Bluetooth® enable cell phone, the consumer may prefer to use a less-expensive embodiment of the WPD which uses short range communications device 14 to interact with the external long range communications device 16 for contact with authorization provider 30.

Smith at Para 0031



[Fig. 3]

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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[2.1]	The method of claim 1, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.	Smith discloses “The method of claim 1, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.” See e.g.: Claim 1, supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking

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		technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[3.1]	The method of claim 1, further comprising:	To the extent the preamble is limiting, Smith discloses “The method of claim 1, further comprising:” See e.g.:

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		Claim 1, supra.
[3.2]	while said number of functions is enabled by having sensed by the device the parameter and by having determined by the device that the value of the parameter that is sensed satisfies the threshold criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction by the device;	Smith discloses “while said number of functions is enabled by having sensed by the device the parameter and by having determined by the device that the value of the parameter that is sensed satisfies the threshold criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction by the device;” See e.g.: Preferred embodiments of the present invention provide systems, methods and apparatus which provide for short range communication with a point-of-sale device combined with long-range communication with a credit or debit authorization processor. As a non-limiting example, an embodiment of the present invention in the form of a PDA may communicate with a point-of-sale device to determine vendor identification and a sale amount. The vendor/sale data is combined with credit or debit account data and forwarded to an authorization processor as a request for authorization of the sale amount. The authorization processor processes the request and transmits an authorization approval or denial to the PDA through a long range communication system. The authorization is then transmitted to the vendor's point-of-sale device to complete the transaction. Smith at Para 0019 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the

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		consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[3.3]	responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction; and	Smith discloses “responsive to the requesting, receiving by the device from the second device the authorization to enable the function for conducting the financial transaction; and” See e.g.: Preferred embodiments of the present invention provide systems, methods and apparatus which provide for short range communication with a point-of-sale device combined with long-range communication with a credit or debit authorization processor. As a non-limiting example, an embodiment of the present invention in the form of a PDA may communicate with a point-of-sale device to determine vendor identification and a sale amount. The vendor/sale data is combined with credit or debit account data and forwarded to an authorization processor as a request for authorization of the sale amount. The authorization

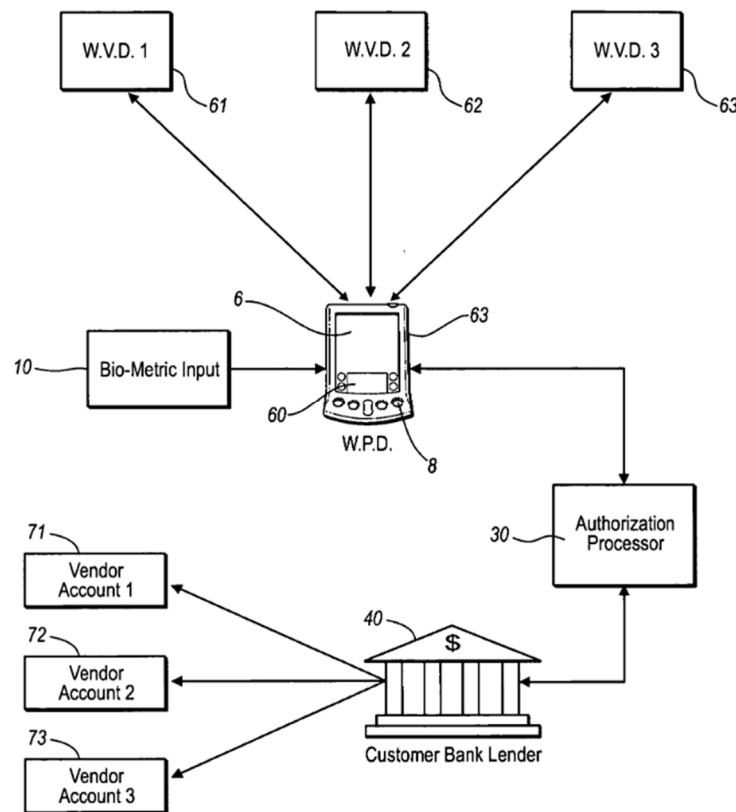
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	processor processes the request and transmits an authorization approval or denial to the PDA through a long range communication system. The authorization is then transmitted to the vendor's point-of-sale device to complete the transaction. Smith at Para 0019 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035
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		In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as

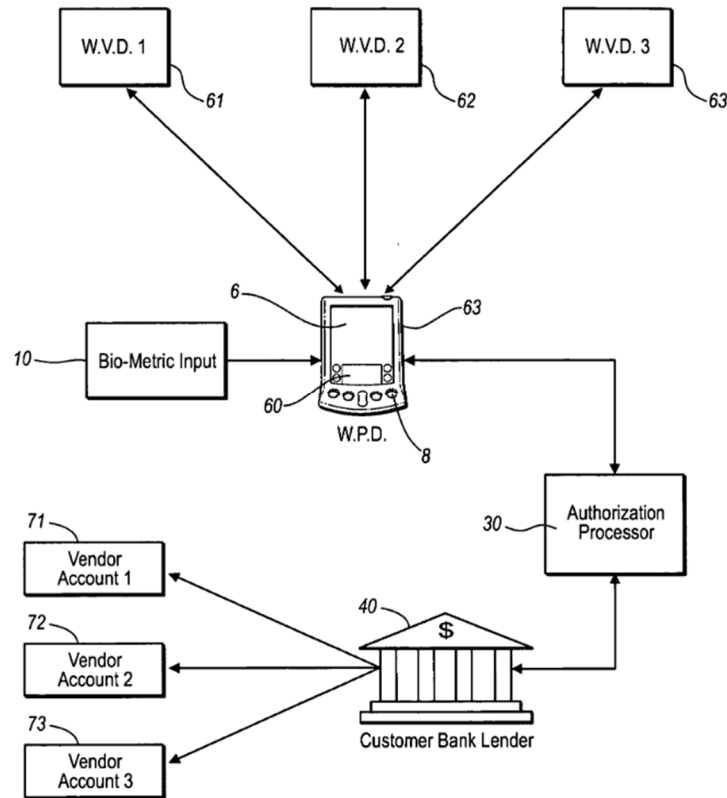
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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[3.4]	responsive to receiving the authorization, enabling at the device the function for conducting the financial transaction.	Smith discloses “responsive to receiving the authorization, enabling at the device the function for conducting the financial transaction.” See e.g.: A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at 0035 In reference to FIG. 3, embodiments of the present invention which

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		accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as

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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[4.1]	The method of claim 3, further comprising:	To the extent the preamble is limiting, Smith discloses “The method of claim 3, further comprising:” See e.g.: Claim 3, <i>supra</i> .
[4.2]	responsive to the device satisfying a proximity condition relative to an entity and responsive to the device sensing the parameter and determining the value that is associated with parameter that is sensed satisfies the threshold criterion, using by the device the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.	Smith discloses “responsive to the device satisfying a proximity condition relative to an entity and responsive to the device sensing the parameter and determining the value that is associated with parameter that is sensed satisfies the threshold criterion, using by the device the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with

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	the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on
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		the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 When the WPD 2 receives the authorization approval, the approval is displayed to the consumer on display 6 (in embodiments with displays) and a transaction finalization command is transmitted from WPD 2 to WVDs 61, 62 and 63 to instruct WVDs to release the purchased products, provide the purchased services or otherwise credit the consumer for the purchase. Smith at Para 0039 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[5.1]	The method of claim 3, further comprising:	To the extent the preamble is limiting, Smith discloses “The method of claim 3, further comprising:” See e.g.: Claim 3, <i>supra</i>.
[5.2]	enabling at the second device a function for conducting the financial transaction.	Smith discloses “enabling at the second device a function for conducting the financial transaction.” See e.g.: Claim 1, <i>supra</i>.

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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[6.1]	A device that is configured to perform operations comprising:	Smith discloses “A device that is configured to perform operations comprising:” See e.g.: [1.1], supra. The present invention relates to systems, methods and apparatus for making purchase transactions at a point-of-sale. A wireless purchase device (WPD) comprising a short range communications device for communication with vendor point-of-sale equipment such as a wireless vendor device (WVD) and a long range communications device for communications with credit or debit authorization processors. In preferred embodiments, a WVD will communicate vendor identification data and a transaction purchase price to a WPD and a WPD user will determine whether to complete the transaction. The transaction may be completed by transmitting the vendor identification and purchase data to an authorization processor for credit or debit approval. Authorization approval or denial is transmitted to the WPD where the user is discretely notified of the outcome. If approved, the user may transmit the approval to the WVD to complete the transaction. Using the systems and methods of the present invention, vendors need not maintain long range communications between points-of-sale and authorization processors or other parties. Purchasers also benefit from the discrete notification of credit or debit approval or rejection Smith at Abstract Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-

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		A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[6.2]	sensing by the device, using a device-based sensor, a parameter that is associated with the device, an environment of the device and/or a user of the device;	Smith discloses “sensing by the device, using a device-based sensor, a parameter that is associated with the device, an environment of the device and/or a user of the device;” See e.g.: [1.2], supra. Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user

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identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.

Smith at 0038

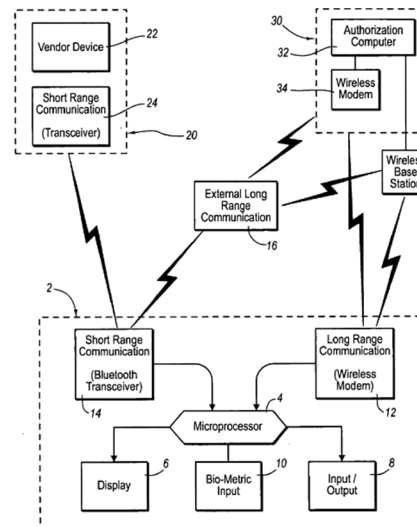


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill

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		in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[6.3]	determining by the device a value of the parameter that is sensed; and	Smith discloses “determining by the device a value of the parameter that is sensed; and” See e.g.: [1.3], supra. In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as

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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[6.4]	responsive to the value that is determined by the device for the parameter that is sensed satisfying a threshold criterion, enabling by the device a number of functions of the device and disabling by the device a function of the device;	Smith discloses “responsive to the value that is determined by the device for the parameter that is sensed satisfying a threshold criterion, enabling by the device a number of functions of the device and disabling by the device a function of the device;” See e.g.: [1.4], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62

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		and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[6.5]	wherein the parameter that is sensed using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart	Smith discloses “wherein the parameter that is sensed using the device-based sensor, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and” See e.g.: [1.5], supra.

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	rate, a blood content, a physiological state and/or a psychological state; and	Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.
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Smith at Para 0038

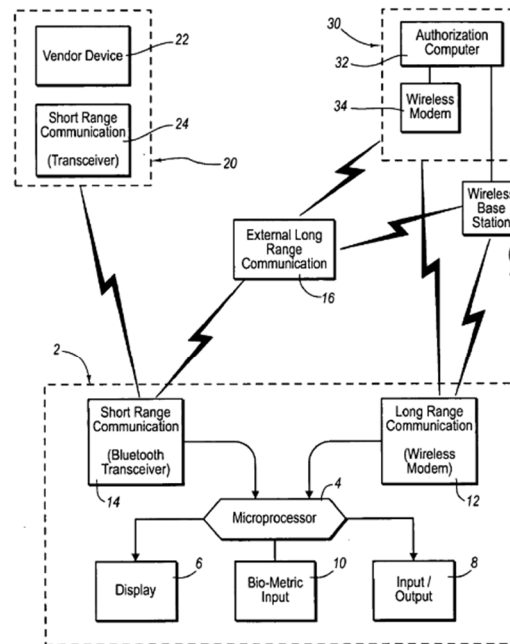


Figure 1

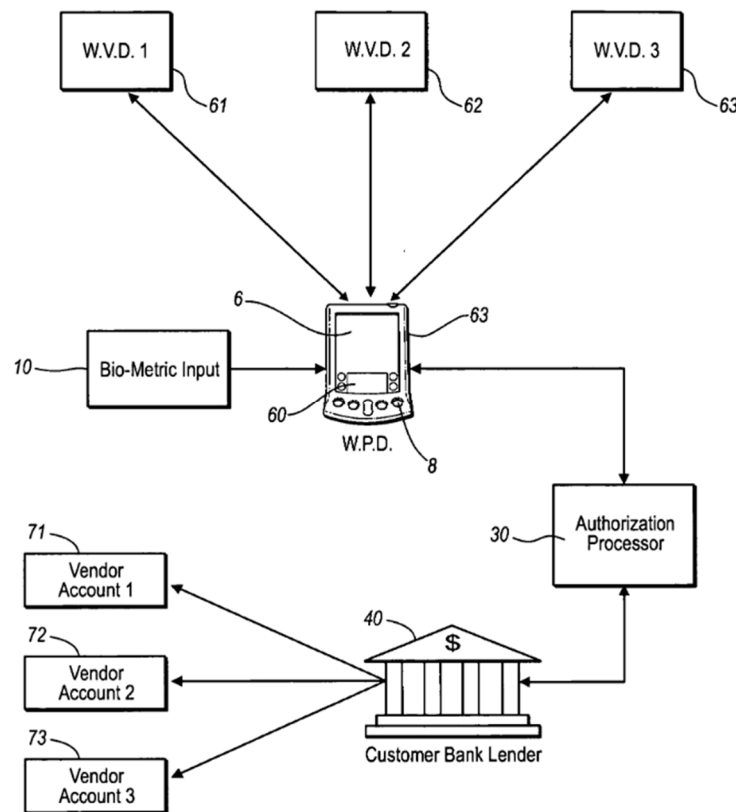
[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[6.6]	wherein the device comprises a smartphone.	Smith discloses “wherein the device comprises a smartphone.” See e.g.: [1.6], supra. When a consumer already has possession of a cell phone or other long range communications device 16 which also has short range communications ability, such as a Bluetooth® enable cell phone, the consumer may prefer to use a less-expensive embodiment of the WPD which uses short range communications device 14 to interact with the external long range communications device 16 for contact with authorization provider 30. Smith at Para 0031
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[7.1]	The device of claim 6, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.	To the extent the preamble is limiting, Smith discloses “the device of claim 6, wherein said enabling by the device a number of functions of the device comprises enabling by the device a number of functions of the device that is greater than or equal to one.” See e.g.: Claim 6, supra. [2.1], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic
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		vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[8.1]	The device of claim 6, wherein the operations further comprise:	To the extent the preamble is limiting, Smith discloses “the device of claim 6, wherein the operations further comprise:” See e.g.: Claim 6, supra. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as

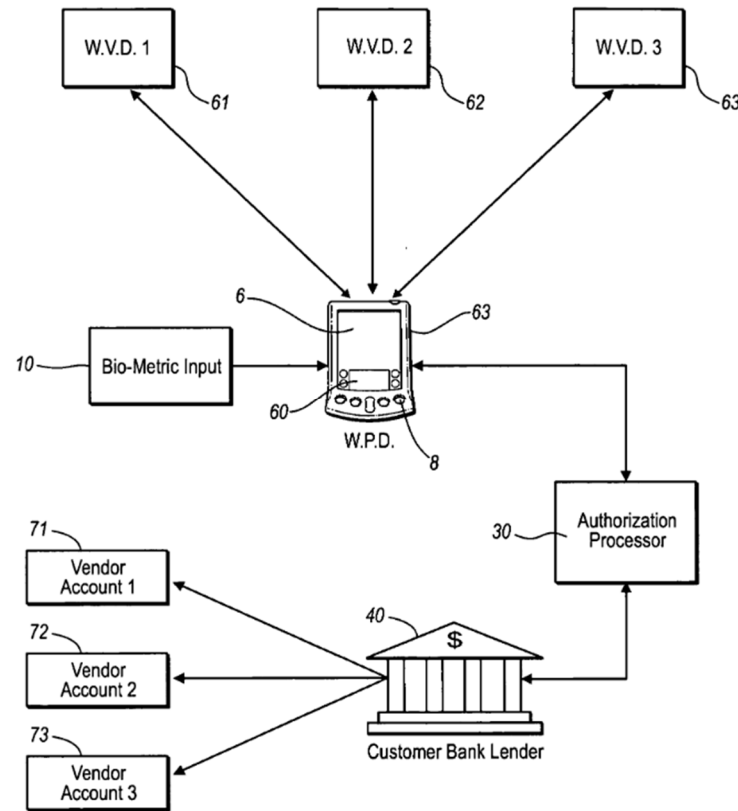
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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[8.2]	while said number of functions is enabled by having sensed the parameter and by having determined by the device that the value of the parameter that is sensed satisfies the threshold criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction by the device;	Smith discloses “while said number of functions is enabled by having sensed the parameter and by having determined by the device that the value of the parameter that is sensed satisfies the threshold criterion, requesting by the device from a second device an authorization to enable a function for conducting a financial transaction by the device;” See e.g.: [3.2], supra. Preferred embodiments of the present invention provide systems, methods and apparatus which provide for short range communication with a point-of-sale device combined with long-range communication with a credit or debit authorization processor. As a non-limiting example, an embodiment of the present invention in the form of a PDA may communicate with a point-of-sale device to determine vendor identification and a sale amount. The vendor/sale data is combined with credit or debit account data and forwarded to an authorization processor as a request for authorization of the sale amount. The authorization processor processes the request and transmits an authorization approval or denial to the PDA through a long range communication system. The authorization is then transmitted to the vendor's point-of-sale device to complete the transaction. Smith at Para 0019 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer

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		may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[8.3]	responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction; and	Smith discloses “responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction; and” See e.g.: [3.3], supra. Preferred embodiments of the present invention provide systems, methods and apparatus which provide for short range communication with a point-of-sale device combined with long-range communication with a credit or debit authorization processor. As a non-limiting example, an embodiment of the present invention in the form of a PDA may communicate with a point-of-sale device to determine vendor identification and a sale amount. The vendor/sale data is combined with credit or debit account data and forwarded to an authorization processor as a request for authorization of the sale amount. The authorization processor processes the request and transmits an authorization approval or denial to the PDA through a long range communication system. The authorization is then transmitted to the vendor's point-of-sale device to complete the transaction. Smith at Para 0019 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without
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	vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is
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		transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[8.4]	responsive to receiving the authorization, enabling the function for conducting the financial transaction.	Smith discloses “responsive to receiving the authorization, enabling the function for conducting the financial transaction.” See e.g.: [3.4], supra. Preferred embodiments of the present invention provide systems, methods and apparatus which provide for short range communication with a point-of-sale device combined with long-range communication with a credit or debit authorization processor. As a non-limiting example, an embodiment of the present invention in the form of a PDA may communicate with a point-of-sale device to determine vendor identification and a sale amount. The vendor/sale data is combined with credit or debit account data and forwarded to an authorization processor as a request for authorization of the sale amount. The authorization processor processes the request and transmits an authorization approval or denial to the PDA through a long range communication system. The authorization is then transmitted to the vendor's point-of-sale device to complete the transaction. Smith at Para 0019

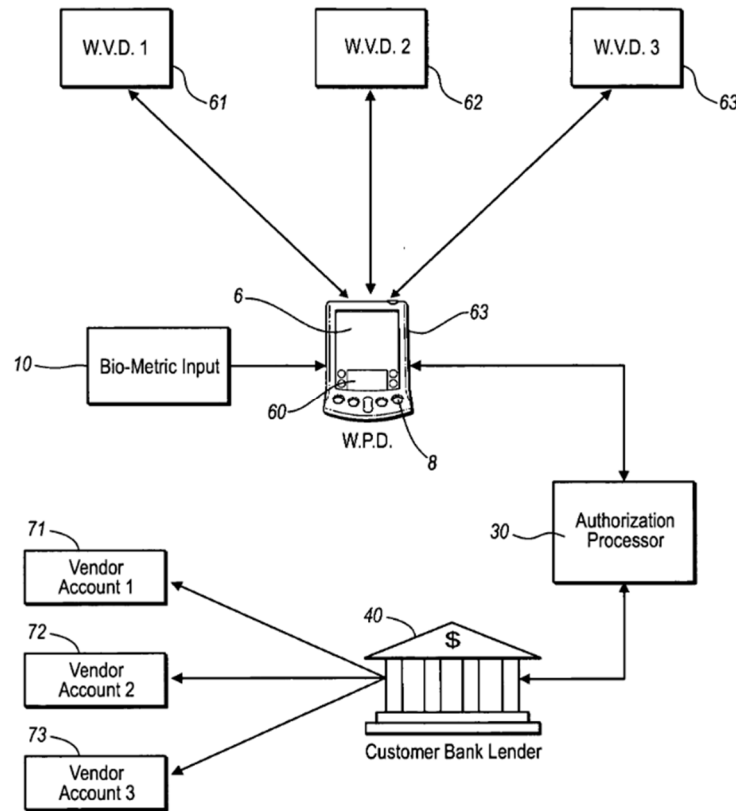
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	A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is
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		initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[9.1]	The device of claim 8, wherein the operations further comprise:	To the extent the preamble is limiting, Smith discloses “the device of claim 8, wherein the operations further comprise:” See e.g.: Claim 8, <i>supra</i>. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[9.2]	detecting by the device that a proximity condition has been satisfied between the device and an entity;	Smith discloses “detecting by the device that a proximity condition has been satisfied between the device and an entity;” See e.g.: [4.2], <i>supra</i>. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020

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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[9.3]	sensing by the device the parameter and determining by the device the value that is associated with the parameter that is sensed satisfies the threshold criterion; and	Smith discloses “sensing by the device the parameter and determining by the device the value that is associated with the parameter that is sensed satisfies the threshold criterion; and” See e.g.: [1.2], [1.3], [1.4], [4.2] supra. In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Some embodiments of the WPD of the present invention may also comprise a

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		biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at 0032 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[9.4]	responsive to the value that is associated with the parameter that is sensed satisfying the threshold criterion, using by the device the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.	Smith discloses “responsive to the value that is associated with the parameter that is sensed satisfying the threshold criterion, using by the device the function for conducting the financial transaction and conducting by the device the financial transaction by paying for a product.” See e.g.: [1.4], supra. A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without

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		vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 When the WPD 2 receives the authorization approval, the approval is displayed to the consumer on display 6 (in embodiments with displays) and a transaction finalization command is transmitted from WPD 2 to WVDs 61, 62 and 63 to instruct WVDs to release the purchased products, provide the purchased services or otherwise credit the consumer for the purchase. Smith at Para 0039 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[10.1]	The device of claim 8, wherein the operations further comprise:	To the extent the preamble is limiting, Smith discloses “the device of claim 8, wherein the operations further comprise:” See e.g.:

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		Claim 8, <i>supra</i>. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[10.2]	causing a function for conducting the financial transaction to be enabled at the second device.	Smith discloses “causing a function for conducting the financial transaction to be enabled at the second device.” See e.g.: [5.2], <i>supra</i>. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.1]	A method of operating a wireless device, the method comprising:	To the extent the preamble is limiting, Smith discloses “a method of operating a wireless device, the method comprising:” See e.g.: [1.1] and [1.6], <i>supra</i>. The present invention relates to systems, methods and apparatus for making purchase transactions at a point-of-sale. A wireless purchase device (WPD) comprising a short range communications device for communication with vendor point-of-sale equipment such as a wireless vendor device (WVD) and a long range communications device for communications with credit or debit authorization processors. In preferred embodiments, a WVD will communicate vendor identification data and a transaction purchase price to a WPD and a WPD user will determine whether to complete the transaction. The transaction may be

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		completed by transmitting the vendor identification and purchase data to an authorization processor for credit or debit approval. Authorization approval or denial is transmitted to the WPD where the user is discretely notified of the outcome. If approved, the user may transmit the approval to the WVD to complete the transaction. Using the systems and methods of the present invention, vendors need not maintain long range communications between points-of-sale and authorization processors or other parties. Purchasers also benefit from the discrete notification of credit or debit approval or rejection Smith at Abstract Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.2]	sensing by the wireless device, using a sensor of the wireless device, a parameter that is associated with the wireless device, an environment of the wireless device and/or a user of the wireless device;	Smith discloses “sensing by the wireless device, using a sensor of the wireless device, a parameter that is associated with the wireless device, an environment of the wireless device and/or a user of the wireless device;” See e.g.: [1.2], supra. Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which

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		accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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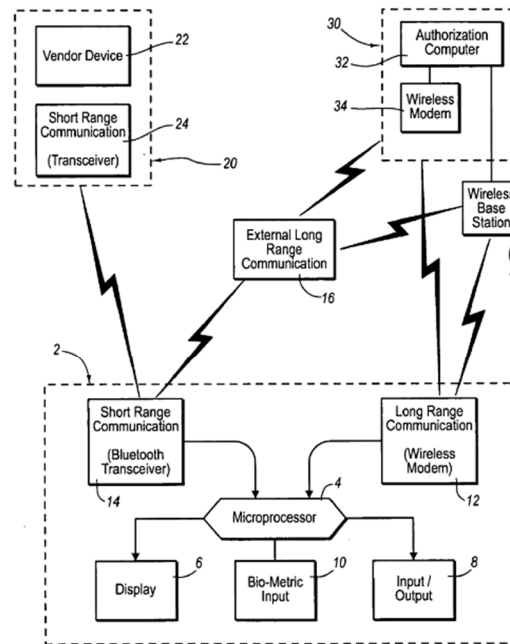


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

[11.3] determining by the wireless device a value of the parameter that is sensed and determining by the

Smith discloses “determining by the wireless device a value of the parameter that is sensed and determining by the wireless device whether or not the value that is sensed satisfies a threshold criterion;” See e.g.:

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wireless device whether or not the value that is sensed satisfies a threshold criterion;	[1.3] and [1.4], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short
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		range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.4]	responsive to the value that is sensed satisfying the threshold criterion, enabling a number of functions of the wireless device and disabling a function of the wireless device;	Smith discloses “responsive to the value that is sensed satisfying the threshold criterion, enabling a number of functions of the wireless device and disabling a function of the wireless device;” See e.g.: [1.4], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020

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	In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as
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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.5]	requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction;	Smith discloses “requesting by the wireless device from a second device an authorization to enable a function for conducting a financial transaction;” See e.g.: [3.2], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks

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	payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by
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biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.

Smith at 0038

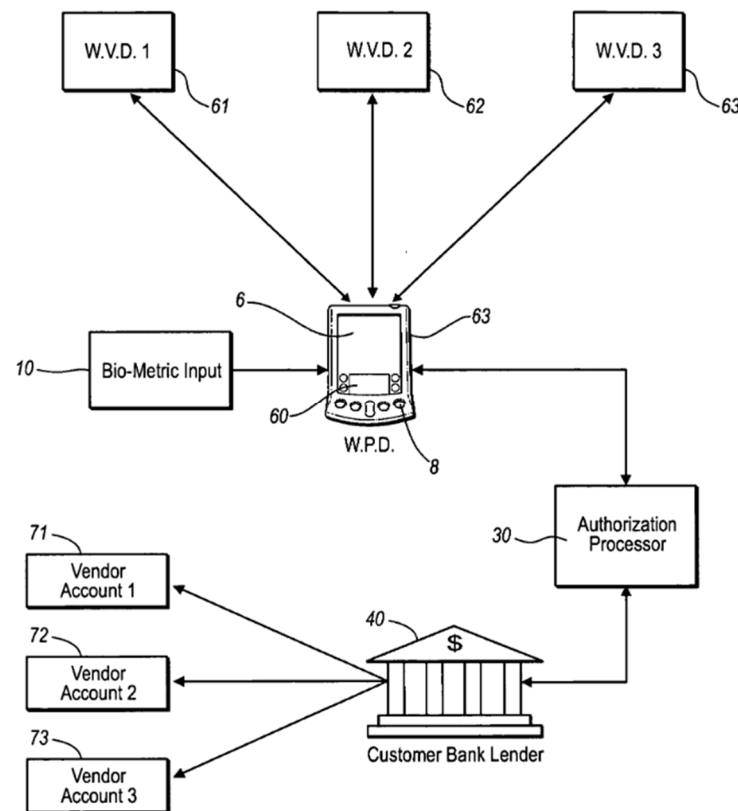


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		[Fig. 3] Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.6]	responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction;	Smith discloses “responsive to the requesting, receiving by the wireless device from the second device the authorization to enable the function for conducting the financial transaction;” See e.g.: [3.3], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly

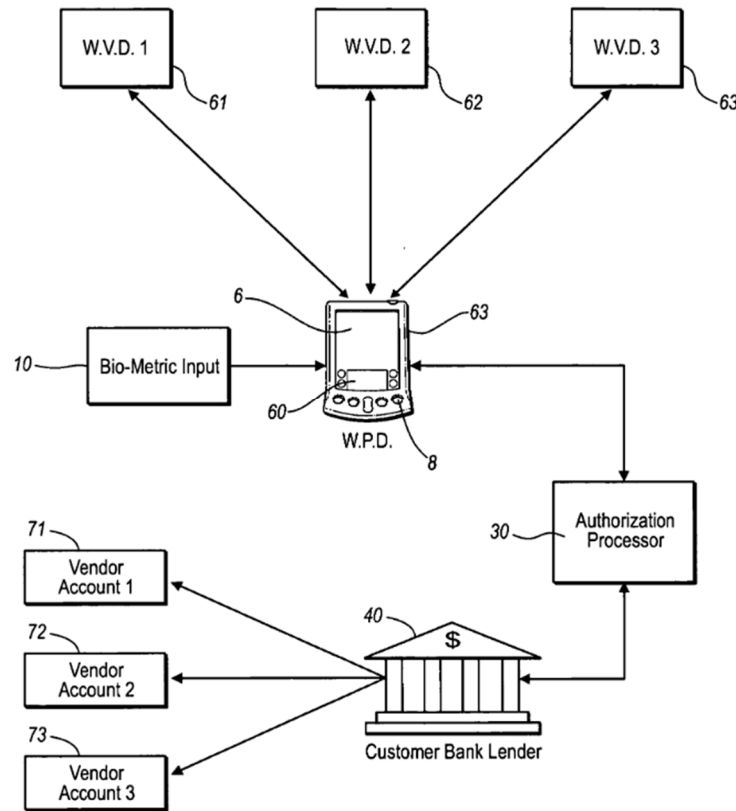
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	used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62
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		and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[11.7]	responsive to receiving the authorization, enabling at the wireless device the function for conducting the financial transaction; and	Smith discloses “responsive to receiving the authorization, enabling at the wireless device the function for conducting the financial transaction; and” See e.g.: [3.4], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without
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	vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction
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		according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.8]	responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the parameter and determining that the value sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;	Smith discloses “responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the parameter and determining that the value sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;” See e.g.: [4.2], supra. Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing

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	devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In
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		most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 When the WPD 2 receives the authorization approval, the approval is displayed to the consumer on display 6 (in embodiments with displays) and a transaction finalization command is transmitted from WPD 2 to WVDs 61, 62 and 63 to instruct WVDs to release the purchased products, provide the purchased services or otherwise credit the consumer for the purchase. Smith at Para 0039 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.9]	wherein the parameter that is sensed, using the sensor of the	Smith discloses “wherein the parameter that is sensed, using the sensor of the wireless device, comprises a velocity, an acceleration, a time-of-day, a humidity, a

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wireless device, comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and	temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and” See e.g.: [1.5], supra. Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is
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transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.

Smith at Para 0038

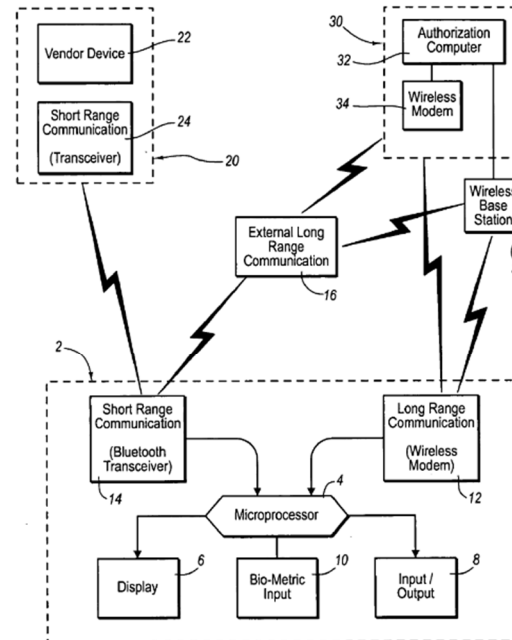


Figure 1

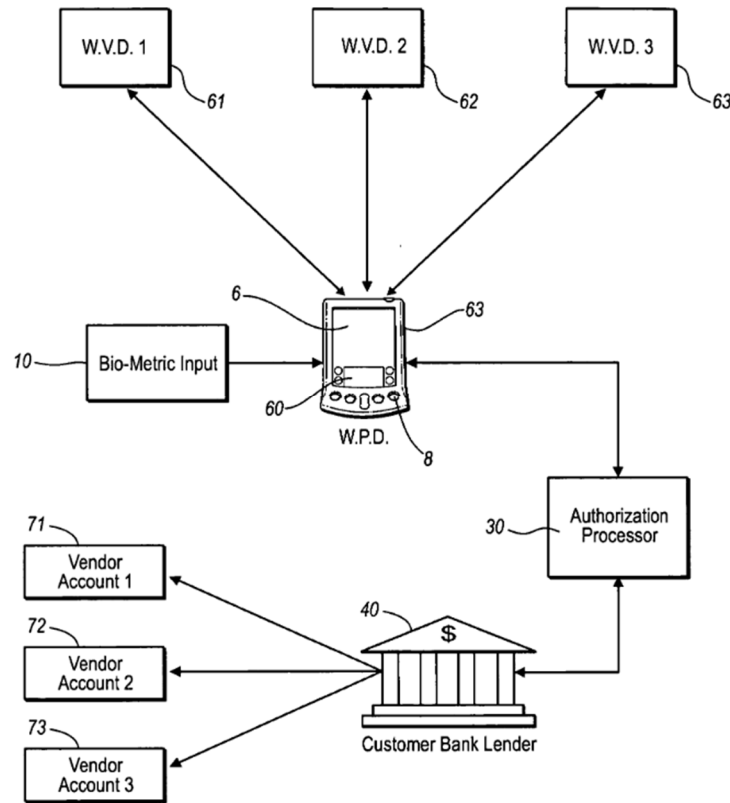
[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill

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		in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[11.10]	wherein the wireless device comprises a smartphone.	Smith discloses “wherein the wireless device comprises a smartphone.” See e.g.: [1.6], supra. When a consumer already has possession of a cell phone or other long range communications device 16 which also has short range communications ability, such as a Bluetooth® enable cell phone, the consumer may prefer to use a less-expensive embodiment of the WPD which uses short range communications device 14 to interact with the external long range communications device 16 for contact with authorization provider 30. Smith at Para 0031

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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[12.1]	The method of claim 11, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one.	To the extent the preamble is limiting, Smith discloses “the method of claim 11, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one.” See e.g.: Claim 11, supra. 2.1, supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62
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		and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[13.1]	The method of claim 11, further comprising:	To the extent the preamble is limiting, Smith discloses “the method of claim 11, further comprising:” See e.g.: Claim 11, supra. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of

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		ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[13.2]	enabling at the second device a function for conducting the financial transaction.	Smith discloses “enabling at the second device a function for conducting the financial transaction.” See e.g.: [5.2], supra. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.1]	A wireless device that is configured to perform operations comprising:	To the extent the preamble is limiting, Smith discloses “a wireless device that is configured to perform operations comprising:” See e.g.: [11.1] and [6.1], supra. The present invention relates to systems, methods and apparatus for making purchase transactions at a point-of-sale. A wireless purchase device (WPD) comprising a short range communications device for communication with vendor point-of-sale equipment such as a wireless vendor device (WVD) and a long range communications device for communications with credit or debit authorization processors. In preferred embodiments, a WVD will communicate vendor identification data and a transaction purchase price to a WPD and a WPD user will determine whether to complete the transaction. The transaction may be completed by transmitting the vendor identification and purchase data to an authorization processor for credit or debit approval. Authorization approval or denial is transmitted to the WPD where the user is discretely notified of the outcome. If approved, the user may transmit the approval to the WVD to complete the transaction. Using the systems and methods of the present invention, vendors need not maintain long range communications between

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		points-of-sale and authorization processors or other parties. Purchasers also benefit from the discrete notification of credit or debit approval or rejection Smith at Abstract Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.2]	using a sensor of the wireless device and sensing a parameter that is associated with the wireless device, an environment of the wireless device and/or a user of the wireless device;	Smith discloses “using a sensor of the wireless device and sensing a parameter that is associated with the wireless device, an environment of the wireless device and/or a user of the wireless device;” See e.g.: [1.2], supra. Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62

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		and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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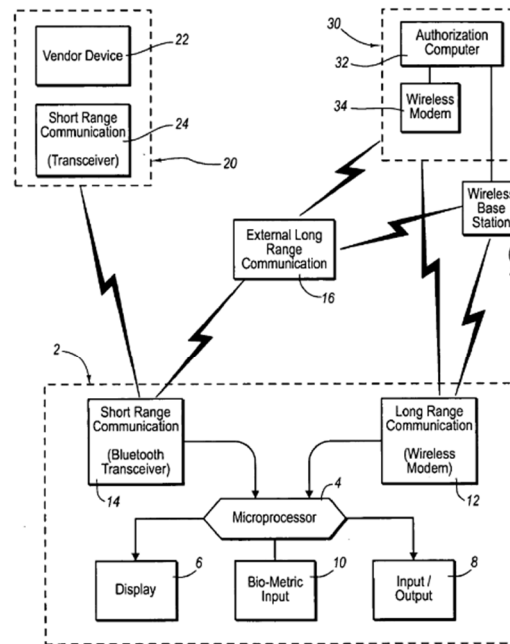


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

[14.3] determining a value that is associated with the parameter that is sensed and determining whether or

Smith discloses “determining a value that is associated with the parameter that is sensed and determining whether or not the value satisfies a threshold criterion;” See e.g.:

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	not the value satisfies a threshold criterion;	[1.3] and [1.4], supra. Bluetooth communication between two computers, the two devices need to be setup manually with a Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some
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		embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.4]	responsive to the value satisfying the threshold criterion, enabling a number of functions of the wireless device and disabling a function of the wireless device;	Smith discloses “responsive to the value satisfying the threshold criterion, enabling a number of functions of the wireless device and disabling a function of the wireless device;” See e.g.: [1.4], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby

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	enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill
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		in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.5]	requesting from a second device an authorization to enable a function for conducting a financial transaction;	Smith discloses “requesting from a second device an authorization to enable a function for conducting a financial transaction;” See e.g.: [3.2], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some

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	situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user
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identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.

Smith at 0038

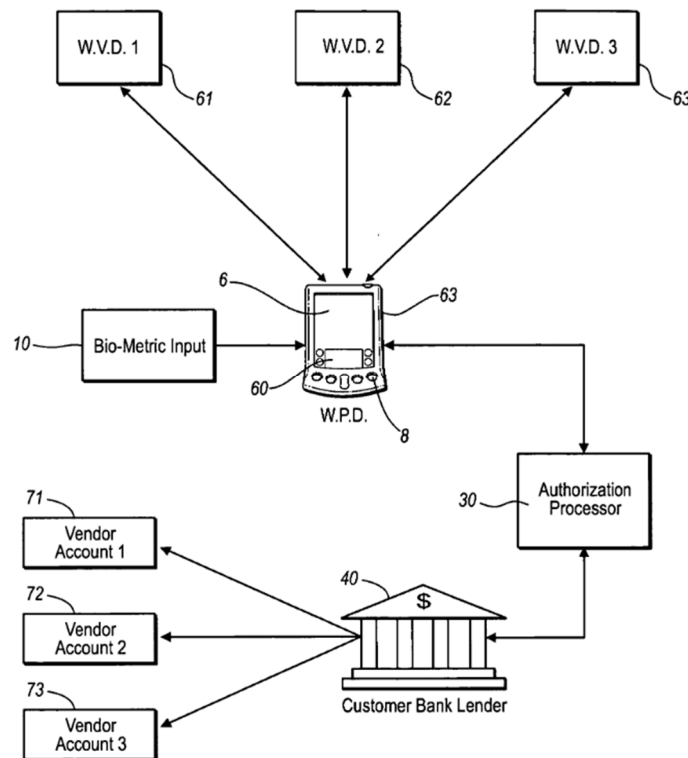


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		[Fig. 3] Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.6]	responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction;	Smith discloses “responsive to the requesting, receiving from the second device the authorization to enable the function for conducting the financial transaction;” See e.g.: [3.3], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly

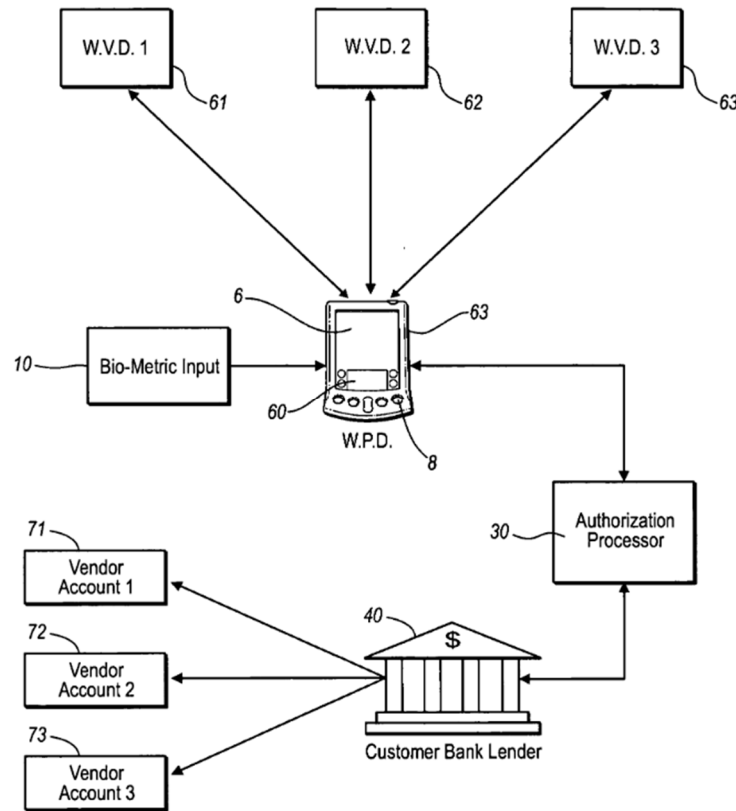
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	used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62
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		and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[14.7]	responsive to receiving the authorization, enabling the function for conducting the financial transaction; and	Smith discloses “responsive to receiving the authorization, enabling the function for conducting the financial transaction; and” See e.g.: [3.4], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without
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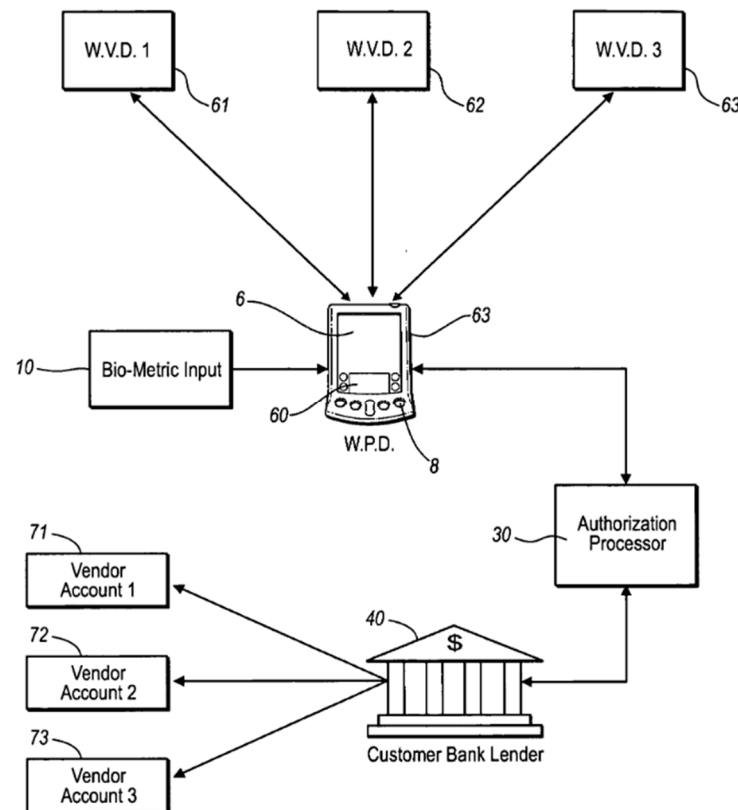
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	vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction
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according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2.

Smith at Para 0038



[Fig. 3]

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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.8]	responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the parameter and determining that the value of the parameter sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;	Smith discloses “responsive to the wireless device satisfying a proximity condition relative to an entity and responsive to the wireless device sensing the parameter and determining that the value of the parameter sensed satisfies the threshold criterion, using the function for conducting the financial transaction and conducting the financial transaction by paying for a product;” See e.g.: [4.2], supra. Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Embodiments of the present invention allow for transactions with multiple

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	vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available
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		and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 When the WPD 2 receives the authorization approval, the approval is displayed to the consumer on display 6 (in embodiments with displays) and a transaction finalization command is transmitted from WPD 2 to WVDs 61, 62 and 63 to instruct WVDs to release the purchased products, provide the purchased services or otherwise credit the consumer for the purchase. Smith at Para 0039 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[14.9]	wherein the parameter that is sensed comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a	Smith discloses “wherein the parameter that is sensed comprises a velocity, an acceleration, a time-of-day, a humidity, a temperature, a height, a level of brightness, a level of darkness, a blood pressure, a heart rate, a blood content, a physiological state and/or a psychological state; and” See e.g.: [1.5], supra. Some embodiments of the WPD of the present invention may also comprise a biometric input device 10 to verify user identity. Biometric input device 10 may

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	physiological state and/or a psychological state; and	use thumb print analysis, retinal scan analysis or another identification method to identify the WPS user. Once the user is identified, user identity can be matched to account data to ensure that unauthorized users do not gain access to sensitive information or other user's accounts. Smith at Para 0032 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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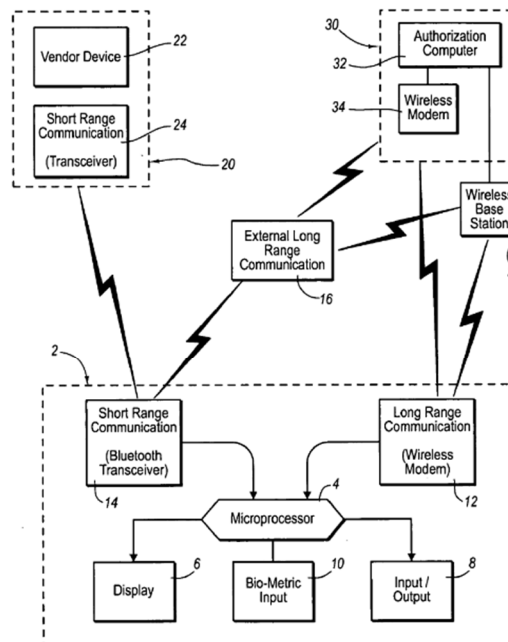


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

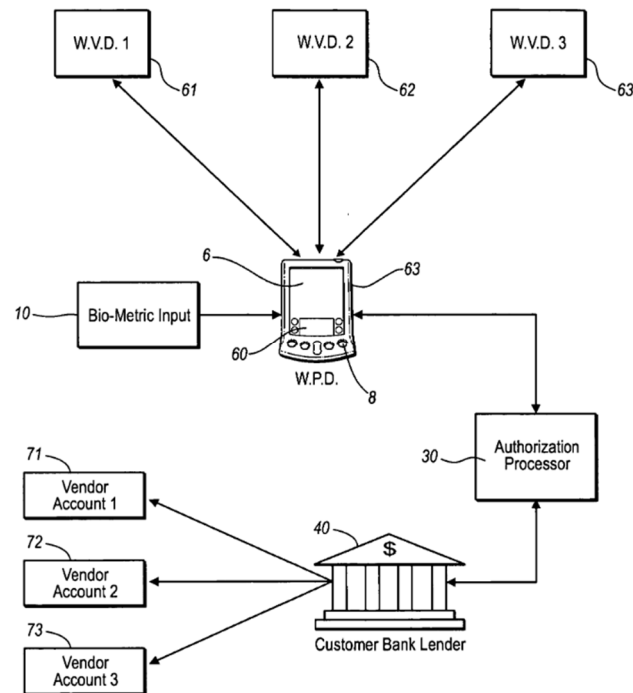
[14.10] wherein the wireless device comprises a smartphone.

Smith discloses “wherein the wireless device comprises a smartphone.” See e.g.: [1.6], *supra*.

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When a consumer already has possession of a cell phone or other long range communications device 16 which also has short range communications ability, such as a Bluetooth® enable cell phone, the consumer may prefer to use a less-expensive embodiment of the WPD which uses short range communications device 14 to interact with the external long range communications device 16 for contact with authorization provider 30.

Smith at Para 0031



[Fig. 3]

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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[15.1]	The wireless device of claim 14, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one.	Smith discloses “the wireless device of claim 14, wherein said enabling a number of functions of the wireless device comprises enabling a number of functions of the wireless device that is greater than or equal to one.” See e.g.: Claim 14, supra. [2.1], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking

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		technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[16.1]	The wireless device of claim 14, wherein the operations further comprise:	To the extent the preamble is limiting, Smith discloses “the wireless device of claim 14, wherein the operations further comprise:” See e.g.:

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		Claim 14, supra. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[16.2]	causing a function for conducting the financial transaction to be enabled at the second device.	Smith discloses “causing a function for conducting the financial transaction to be enabled at the second device.” See e.g.: [5.2], supra. Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[17.1]	The wireless device of claim 14, wherein said conducting the financial transaction by paying for a product comprises:	To the extent the preamble is limiting, Smith discloses “the wireless device of claim 14, wherein said conducting the financial transaction by paying for a product comprises:” See e.g.: Claim 14, supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase.

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		Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[17.2]	establishing by the wireless device a short-range wireless link with the entity;	Smith discloses “establishing by the wireless device a short-range wireless link with the entity;” See e.g.: In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range

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	communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 When a consumer already has possession of a cell phone or other long range communications device 16 which also has short range communications ability, such as a Bluetooth® enable cell phone, the consumer may prefer to use a less-expensive embodiment of the WPD which uses short range communications device 14 to interact with the external long range communications device 16 for contact with authorization provider 30. Smith at Para 0031 Embodiments of the present invention also comprise a wireless vendor device (WVD) 20 which is typically positioned at a point-of-sale for communication with WPDs. WVD 20 will generally comprise a short range communications device 24 configured to communicate with short range communications device 14 used in WPDs. As with communications device 14, device 24 may be a Bluetooth® transceiver, an IrDA port or another communications device. In situations where multiple vendors are accessible to a single WPD at the same time, a Bluetooth® transceiver or similar networking device is preferred to allow multiple party communications. Short range communications device 24 is connected to a vendor device 22 which is typically an electronic computing device such as an electronic cash register, an electronic vending machine, a bar-code reader or other device which may transmit and receive product and transaction information. Smith at [0033]
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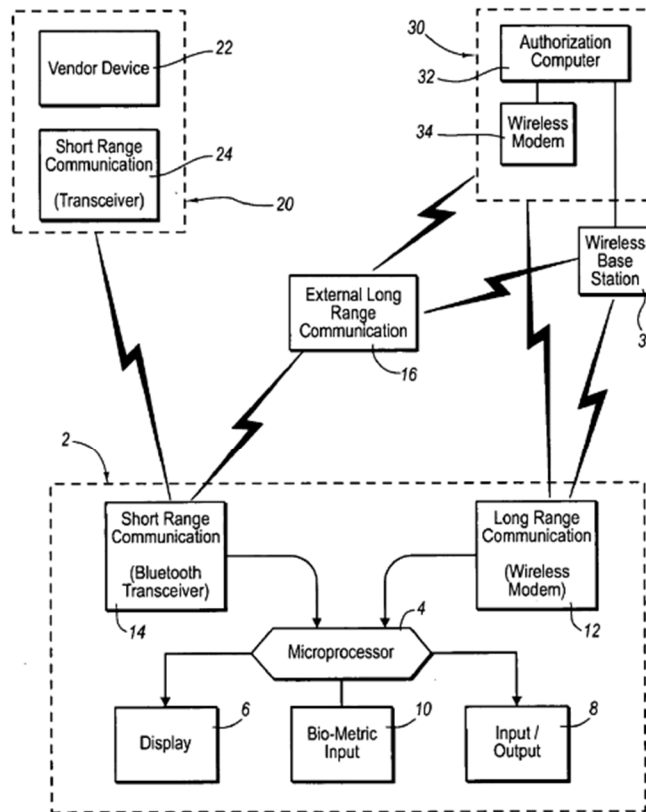


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as

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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[17.3]	wirelessly transmitting information to the entity using unlicensed frequencies; and	Smith discloses “wirelessly transmitting information to the entity using unlicensed frequencies; and” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Another established wireless connectivity standard is known as IrDA and employs infrared radiation to communicate between devices. IrDA is a point-to-point narrow angle, ad-hoc data transmission standard designed to operate over a distance of 0 to 1 meter at speeds of 9600 bps to 16 Mbps. It is typically used in a point-and-shoot fashion by pointing one device at another for direct data transmission. Smith at Para 0017 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area

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	in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029
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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[17.4]	wirelessly receiving information from the entity using unlicensed frequencies;	Smith discloses “wirelessly receiving information from the entity using unlicensed frequencies;” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Another established wireless connectivity standard is known as IrDA and employs infrared radiation to communicate between devices. IrDA is a point-to-point narrow angle, ad-hoc data transmission standard designed to operate over a distance of 0 to 1 meter at speeds of 9600 bps to 16 Mbps. It is typically used in a point-and-shoot fashion by pointing one device at another for direct data

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	transmission. Smith at Para 0017 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range
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		communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[17.5]	wherein said wirelessly transmitting and said wirelessly receiving comprises using a time domain duplex protocol; and	Smith discloses “wherein said wirelessly transmitting and said wirelessly receiving comprises using a time domain duplex protocol; and” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016

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	Another established wireless connectivity standard is known as IrDA and employs infrared radiation to communicate between devices. IrDA is a point-to-point narrow angle, ad-hoc data transmission standard designed to operate over a distance of 0 to 1 meter at speeds of 9600 bps to 16 Mbps. It is typically used in a point-and-shoot fashion by pointing one device at another for direct data transmission. Smith at Para 0017 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred
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		embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[17.6]	wherein said establishing by the wireless device a short-range wireless link with the entity comprises establishing the short-range wireless link with the entity responsive to the wireless device satisfying the proximity condition relative to the entity and responsive to the wireless device sensing the parameter and determining that the	Smith discloses “wherein said establishing by the wireless device a short-range wireless link with the entity comprises establishing the short-range wireless link with the entity responsive to the wireless device satisfying the proximity condition relative to the entity and responsive to the wireless device sensing the parameter and determining that the value associated therewith satisfies the threshold criterion.” See e.g.: [4.2], supra. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area

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	value associated therewith satisfies the threshold criterion.	in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029
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		Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[18.1]	The wireless device of claim 14, wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises:	To the extent the preamble is limiting, Smith discloses “the wireless device of claim 14, wherein said requesting from a second device an authorization to enable a function for conducting a financial transaction and/or said receiving from the second device the authorization to enable the function for conducting the financial transaction comprises:” See e.g.: Claim 14, <i>supra</i>. Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 A variety of communication protocols and methods are known and commonly used in the industry, therefore, the information transfer used in some

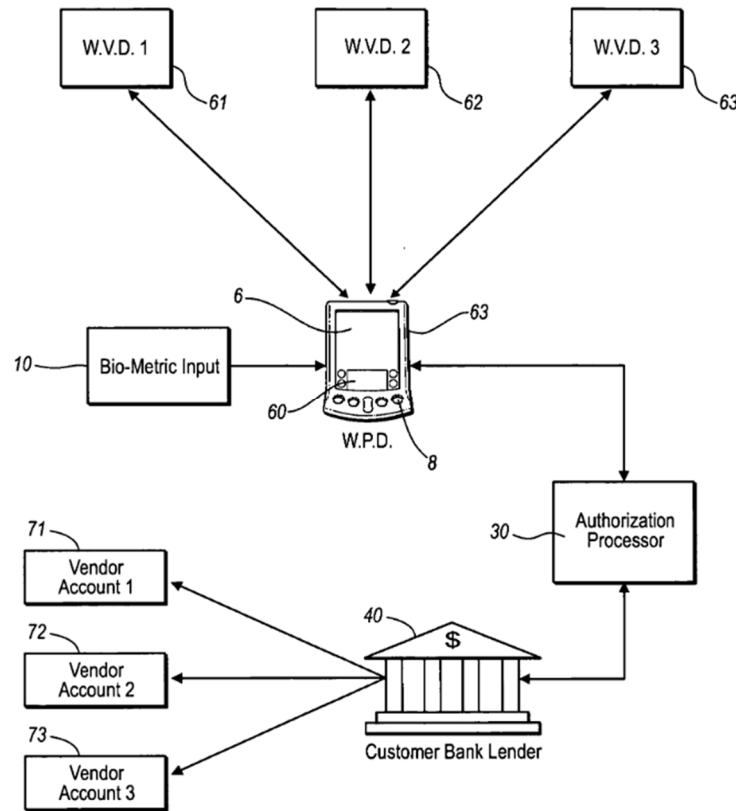
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	embodiments of the present invention is shown in a generic format in FIG. 2. Typically a purchase transaction will commence by establishing communication between a WPD 2 and a WVD 20. WPD may receive product or service information from WVD which may be presented on the display 6 of WPD 2. In some embodiments, a consumer may then make a selection between menu items presented on display 6 or otherwise indicate a desire to make a purchase. In some situations, a WVD may simply transmit a transaction amount and vendor identification to the WPD, such as when a cashier has tallied a total and seeks payment or when an automated vending machine offers a single selection. In most situations, the WVD 20 and WPD 2 will communicate 44 with or without vendor and consumer input until a total purchase amount is reached. When a transaction amount is established, the WPD 2 will use its long range communications ability to contact an authorization provider 30 to request authorization 46 of the credit or debit transaction. Authorization processor 30 will check the consumer's account to verify that sufficient funds or credit are available and make any other necessary verification as required. If authorization is denied, a denial 48 will be transmitted to the WPD 2 and the consumer will be notified on the WPD display 6 that the transaction cannot be completed. If the authorization is approved, an authorization approval 50 will be transmitted to the WPD 2 which will use its short range communications link to pass the authorization to the WVD to inform the vendor of the transaction so that the goods or services may be released. Smith at Para 0035 In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available
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		products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.

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[18.2]	establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition;	Smith discloses “establishing by the wireless device a link with the second device, comprising a wireless link that comprises a distance that is greater than a distance associated with the proximity condition;” See e.g.: [3.2], supra. The combination of some of the above technologies allows a user to use a single electronic device to communicate with other electronic devices in a short range network or direct data link while establishing a long-range communications connection with mobile phone or other technology. Smith at Para 0018 When a consumer already has possession of a cell phone or other long range communications device 16 which also has short range communications ability, such as a Bluetooth® enable cell phone, the consumer may prefer to use a less-expensive embodiment of the WPD which uses short range communications device 14 to interact with the external long range communications device 16 for contact with authorization provider 30. Smith at Para 0031 As embodiments of the present invention are to be used with credit and debit card accounts which generally require authorization before funds may be transferred, WPDs may communicate with authorization providers 30 using long range communication device 12 or 16. WPD communication device 12 or 16 may communicate with authorization long range communications device 34 using known wireless communications methods such as through the use of wireless modems. This communication may be direct between communication device 12 or 16 and 34 or may involve a wireless communications base 36 which receives and transmits wireless signals and converts them to a wired connections such as with a standard telephone line. Authorization communications device 34 provides access to authorization computer 32 which may authorize credit and debit
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transactions and execute transfers of funds to the appropriate accounts.

Smith at Para 0034

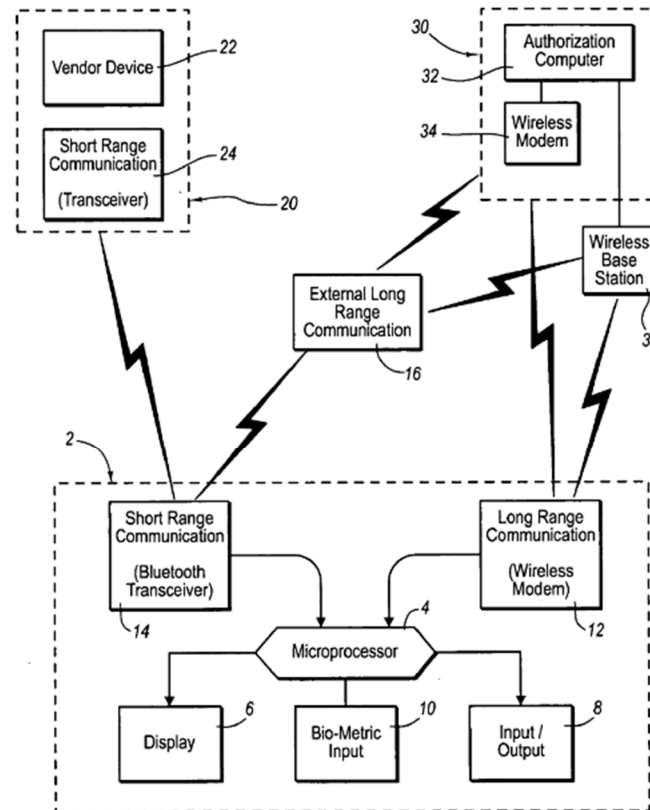


Figure 1

[Fig.1]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-

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		A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[18.3]	wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and	Smith discloses “wirelessly transmitting information to the second device over said wireless link using unlicensed and/or licensed frequencies; and” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Another established wireless connectivity standard is known as IrDA and employs infrared radiation to communicate between devices. IrDA is a point-to-point narrow angle, ad-hoc data transmission standard designed to operate over a distance of 0 to 1 meter at speeds of 9600 bps to 16 Mbps. It is typically used in a point-and-shoot fashion by pointing one device at another for direct data transmission. Smith at Para 0017

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	Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short
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		range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[18.4]	wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;	Smith discloses “wirelessly receiving information from the second device over said wireless link using unlicensed and/or licensed frequencies;” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power. Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Another established wireless connectivity standard is known as IrDA and

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	employs infrared radiation to communicate between devices. IrDA is a point-to-point narrow angle, ad-hoc data transmission standard designed to operate over a distance of 0 to 1 meter at speeds of 9600 bps to 16 Mbps. It is typically used in a point-and-shoot fashion by pointing one device at another for direct data transmission. Smith at Para 0017 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020 In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-
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		range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[18.5]	wherein said wirelessly transmitting and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access protocol; and	Smith discloses “wherein said wirelessly transmitting and/or said wirelessly receiving comprises using an orthogonal frequency division multiplexing and/or orthogonal frequency division multiple access protocol; and” See e.g.: Another innovation in the wireless communications arena is the advent of short-range wireless networking between portable communications devices. One standard for this technology is known as Bluetooth®, and is being established by a collaborative group of communications and computing companies. Devices incorporating Bluetooth® technology will utilize a micro-chip transceiver for communications between devices. Bluetooth® devices will transmit in the previously unused 2.4 GHz range and will have a range of about meters which may be extended to about 100 meters by increasing transmitter power.

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	Bluetooth® technology promises to be a viable and economical networking solution for interconnection of cell phones, computers, printers, modems, computer peripherals, fax machines and other communications and computing devices. The size of the Bluetooth® transceiver makes it usable in devices as small as palm computers and cell phones. Smith at Para 0016 Another established wireless connectivity standard is known as IrDA and employs infrared radiation to communicate between devices. IrDA is a point-to-point narrow angle, ad-hoc data transmission standard designed to operate over a distance of 0 to 1 meter at speeds of 9600 bps to 16 Mbps. It is typically used in a point-and-shoot fashion by pointing one device at another for direct data transmission. Smith at Para 0017 Embodiments of the present invention allow for transactions with multiple vendors. A consumer with a wireless purchasing device (WPD) may enter an area in which several vendors have point-of-sale devices which can communicate with the WPD. As the consumer enters communication range with the point-of-sale devices, a menu on the WPD is updated to reflect the products available from vendors in communication range along with associated prices and related data. A consumer may select from the available products and initiate the purchase. Vendor information, product identification and pricing data received from the point-of-sale devices is processed into purchase requests for each vendor selected and the purchase requests are transmitted to one or more authorization processors. If the purchases are authorized, the authorization approval is transmitted back to the WPD and the consumer completes the transaction by transmitting a charge or debit authorization to the point-of-sale devices thereby enabling product access or delivery of the purchased products. Smith at Para 0020
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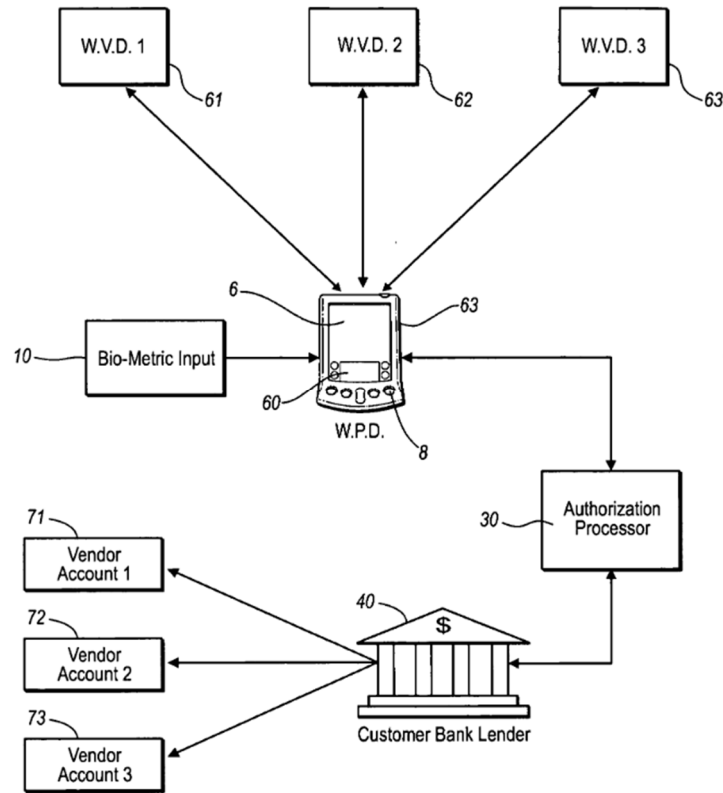
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		In reference to FIG. 1, a preferred embodiment of a consumer's wireless purchasing device (WPD) 2 is shown comprising a microprocessor 4 for processing consumer input, communications functions and display functions as well as other functions. WPD 2 may also comprise a display 6 in preferred embodiments, however display 6 is not required for rudimentary embodiments. An input device 8 may also be part of WPD 2 to allow for consumer input and selection. WPD 2 may communicate with other electronic devices using a short-range communications device 14. Short range communications device 14 may be used to communicate with a vendor's point-of-sale device, such as wireless vending device (WVD) 20, with other WPDs, with external communication device or with other electronic devices. However, the key function of short range communications device 14 is to communicate with WVDs, and in some embodiments with external long range communication device 16. Short range communications device 14 may be a Bluetooth® transceiver or similar short range networking device or may be an Infrared transceiver such as an IrDA standard port as well as other devices. Smith at Para 0029 Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
[18.6]	wherein said establishing by the wireless device a link with the second device comprises establishing the link with the second device responsive to the wireless	Smith discloses “wherein said establishing by the wireless device a link with the second device comprises establishing the link with the second device responsive to the wireless device sensing the parameter and determining that the value sensed satisfies the threshold criterion.” See e.g.:

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	device sensing the parameter and determining that the value sensed satisfies the threshold criterion.	[4.2], [11.8], [17.6], supra. In reference to FIG. 3, embodiments of the present invention which accommodate multiple, simultaneous vendors are illustrated. In these embodiments WvDs and WPDs will generally utilize wireless networking technology such as Bluetooth® transceivers or others to communicate. WVD1 61, WVD2 62 and WVD3 63 are present within communication range of a single WPD 2 and communication between WVDs 61, 62 and 63 and WPD 2 is initiated upon communication contact. In a preferred embodiment WVDs 61, 62 and 63 will transmit menu options to WPD 2 to inform the consumer of available products and to identify the vendors associated with the WVDs. WVDs 61, 62 and 63 may be electronic vending machines or other vendor devices. A consumer may view the menu 60 on the WPD display 6 to see the available products and make selections with WPD input device 8. When a final selection is made by the consumer, the WPD 2 will request authorization for the purchase by contacting authorization provider 30. Authorization provider 30 may request user identification before approval. Identification may be provided through the use of a confidential PIN number or for increased security may be provided by biometric identification device 10. When identification is verified, authorization provider 30 will check account status and approve or deny the transaction according to internal rules. If approval is granted, an authorization approval is transmitted to WPD 2 and a transfer of funds request is transmitted to the consumer's financial institution 40 who will transfer appropriate amounts of funds to the accounts 71, 72 and 73 of vendors who were selected in the consumers menu selection on the WPD 2. Smith at Para 0038
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[Fig. 3]

Furthermore, this claim element is obvious in light of Smith itself, when combined with any of the other references as charted for this claim element in Exs. 756-A01-A23, Ex. 756-B, and/or when combined with the knowledge of one of ordinary skill in the art. Motivations to combine may come from the knowledge of the person of ordinary skill themselves, or from the known problems and predictable solutions as

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		embodied in these references. Further motivations to combine references and additional details may be found in the Cover Pleading and Ex. 756-B.
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