
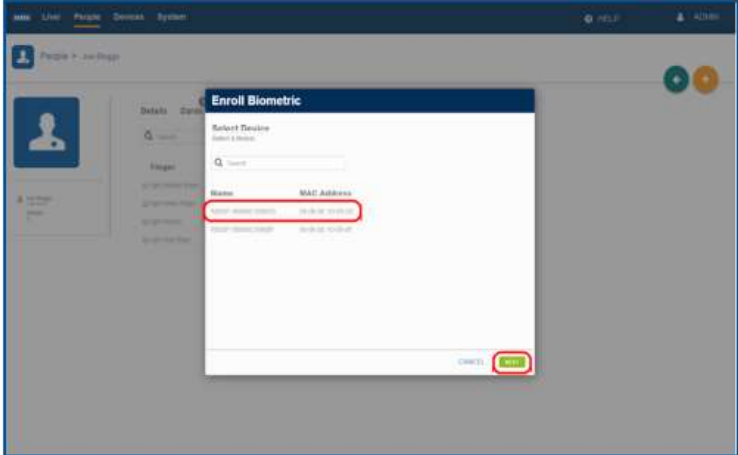


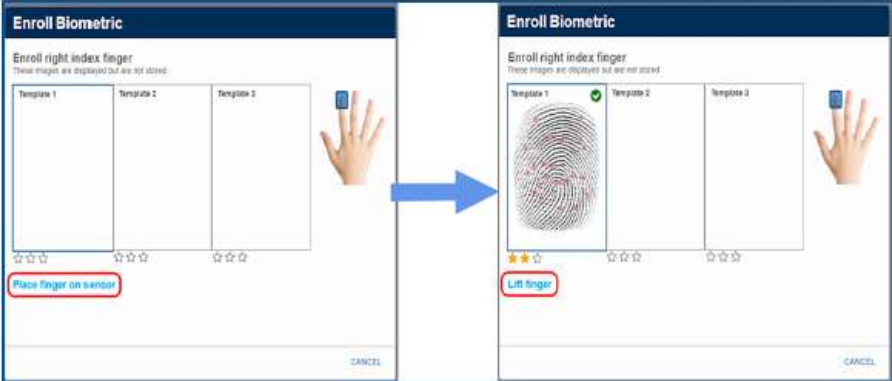
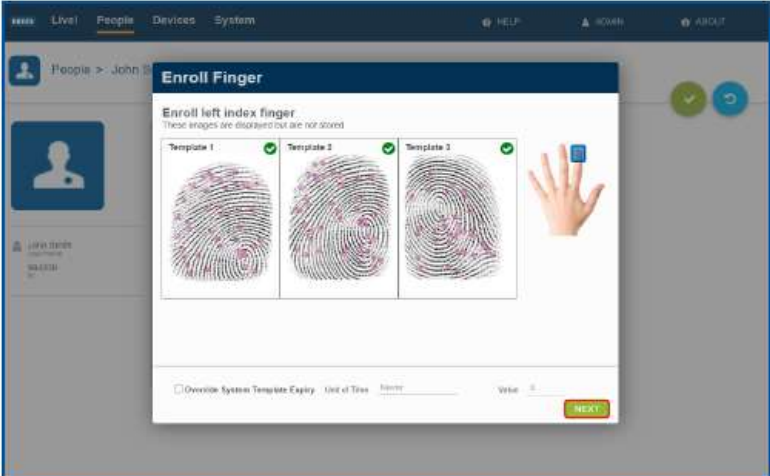
Exhibit F - U.S. Patent No. 8,620,039 Claim Chart Against HID’s Biometric Products


Claim Term(s)	Accused HID System
<p>Claim 1</p> <p>(1.) A method of enrolling in a biometric card pointer system,¹ the method comprising the steps of:</p>	<p>To the extent the preamble is found to be limiting, use of the Accused HID System includes one or more of HID’s biometric readers such as the Signo 25B Biometric Reader”), in conjunction with HID Biometric Manager Software (“HBM”)—of enrolling in a biometric card pointer system:</p> <p>“2.9.2 Enroll Cards</p> <ol style="list-style-type: none"> 1. On the People screen select a displayed person record. 2. On the Cards screen click ADD CARD. 3. At this point on the Details screen you can either scan a card to obtain card details, or, if no card is available, manually enter card details. <p>Scan card for card details</p> <ol style="list-style-type: none"> 1. On the Details screen, click READ CARD. If more than one reader is available, select a reader device from the displayed list. 2. Within five seconds, present a card to the Signo Biometric Reader. <p>Note: The card types supported by the device is configured in the device profile. See 2.21.2 Edit a device profile.”</p> <p>See HID® Biometric Manager Administration Guide at 46 (accessed at: https://www.hidglobal.com/sites/default/files/resource_files/plt-04029-b.2-hid-biometric-manager-administration-guide.pdf)</p> <p>“2.10.1 Enroll Biometrics</p> <p>One of the main features of HBM is enabling the enrollment of a fingerprint for authentication and access control when using the Signo Biometric Reader 25B.</p>

¹ The term “biometric card pointer system” has been construed in CPC Patent Technologies Pty Ltd. v. Apple Inc. (“Apple Case”) to be a non-patentable term with no patentable weight. With respect to any constructions of the ’039 patent terms from the Apple Case, although these constructions are not binding in this case, we are using them for the purposes of this analysis.

Claim Term(s)	Accused HID System
	<p>There are two ways to enroll the biometrics of a user:</p> <ol style="list-style-type: none"> 1. Signo Biometric Reader 25B reader. 2. SIGNO-B-USB desktop enrollment reader. <p>Note: HBM will use the SIGNO-B-USB reader by default. To use the Signo 25B for enrollment, you can select it at the start of enrollment. After enrollment, the user record containing the user information and biometric data is stored in the HBM server database by default, for distribution to the connected Signo Biometric Reader 25B devices.”</p> <p><i>See</i> HID® Biometric Manager Administration Guide at 52</p>
<p>(1.a) receiving card information;</p>	<p>The HID Reader and the HBM software running on a computer are configured to receive the following information related to a biometric card:</p> <p>“2.9.2 Enroll Cards</p> <ol style="list-style-type: none"> 1. On the People screen select a displayed person record. 2. On the Cards screen click ADD CARD. 3. At this point on the Details screen you can either scan a card to obtain card details, or, if no card is available, manually enter card details. <p>Scan card for card details</p> <ol style="list-style-type: none"> 1. On the Details screen, click READ CARD. If more than one reader is available, select the reader device from the displayed list. 2. Within five seconds, present a card to the Signo Biometric Reader. <p>Note: The card types supported by the device is configured in the device profile. See 2.21.2 Edit a device profile.”</p> <p><i>See</i> HID® Biometric Manager Administration Guide at 46</p>
<p>(1.b) receiving the biometric signature;</p>	<p>The HID Reader and the HBM software running on a computer are configured to receive the following biometric signature:</p>

Claim Term(s)	Accused HID System
	 <p>5. Select a device from the displayed list and click NEXT. Note: Device names can be changed to a logical name for easier identification, see 2.6.3 Configure device settings.</p>  <p>6. For the highlighted finger you will be prompted to Place finger on sensor followed by Lift finger. It is recommended that you follow the on-screen prompts, in the correct sequence, to ensure a successful finger scan. Note: For information regarding the correct method of presenting fingers to the scanner during the biometric enrollment process, see <i>HID Signo Biometric Reader 25B User Guide (PLT-04900)</i>.</p>

Claim Term(s)	Accused HID System
	 <p>7. Continue to follow the on-screen prompts until you have successfully scanned the first finger three times. Click NEXT.</p> <p>Note: A score of at least one star per scan is needed. A poor score will require that you scan the finger another three times.</p>  <p>8. You will be prompted to proceed onto the next finger scan. Follow the on-screen instructions until you have successfully scanned the next finger three times.</p> <p>See HID® Biometric Manager Administration Guide at 53-54</p>

Claim Term(s)	Accused HID System
<p>(1.c) defining, dependent upon the received card information, a memory location in a local memory external to the card;</p>	<p>The HBM software, which is external to the card, includes a memory location database of card credentials and biometric signatures (labeled “Credential Database” in the diagram below):</p>  <p>The diagram shows the HID Biometric Manager software interface. At the top is a blue header with the text 'HID® Biometric Manager™'. Below the header, there are four main components: a 'Credential Database' represented by a blue cylinder icon, a 'Data Import' button, a 'Reader Service' button, and a 'Web Server' button.</p> <p>See HID® Biometric Manager Administration Guide at 8 (accessed at: https://www.hidglobal.com/sites/default/files/resource_files/plt-04029-b.2-hid-manager-administration-guide.pdf)</p> <p>“The Credential Database is a SQL database that HBM services uses to store credential data that has been gathered through manual registration or also stores configuration data and transaction logs for all installed Signum Reader 25B devices.”</p> <p>See HID® Biometric Manager Administration Guide at 9.</p> <p>The HBM software identifies a memory location for the top credential associated with the enrolled fingerprints and assigns the biometric data to that memory location:</p> <p>“When all of the selected fingers have been successfully scanned, the biometric data of the enrolled fingerprints are associated with the top credential in the credential database.”</p> <p>See HID® Biometric Manager Administration Guide at 55.</p>

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