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Burke   (45) **Date of Patent:** *Feb. 23, 2016

(54) **REMOTE ENTRY SYSTEM**

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This patent is subject to a terminal disclaimer.

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**
   H04L 29/06   (2006.01)
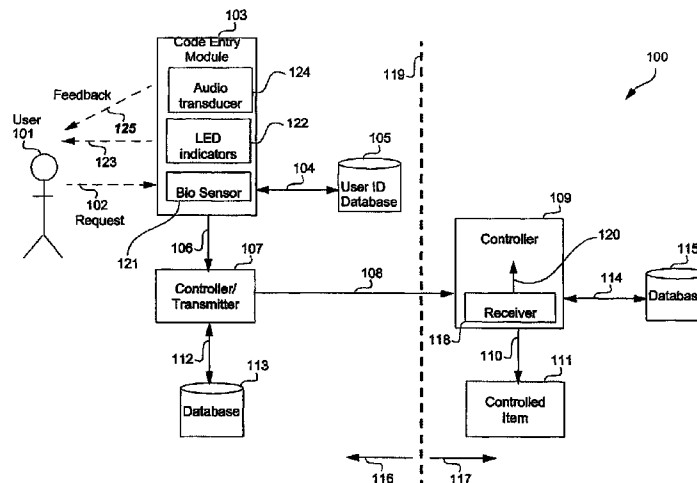   *G07C 9/00*   (2006.01)
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   CPC *G07C 9/00158* (2013.01); *G06F 21/32* (2013.01); *G06F 21/35* (2013.01); *H04L 63/0861* (2013.01); *H04W 12/08* (2013.01); *H04W 84/12* (2013.01); *H04W 84/18* (2013.01)

(58) **Field of Classification Search**
   CPC H04L 63/0861; G06F 21/32

USPC 713/186
See application file for complete search history.

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(57)   **ABSTRACT**

A system is disclosed for providing secure access to a controlled item, the system comprising a database of biometric signatures, a transmitter subsystem comprising a biometric sensor for receiving a biometric signal, means for matching the biometric signal against members of the database of biometric signatures to thereby output an accessibility attribute, and means for emitting a secure access signal conveying information dependent upon said accessibility attribute, wherein the secure access signal comprises one of at least a rolling code, an encrypted Bluetooth™ protocol, and a WiFi™ protocol, and a receiver sub-system comprising means for receiving the transmitted secure access signal and means for providing conditional access to the controlled item dependent upon said information.

13 Claims, 10 Drawing Sheets

(51) **Int. Cl.**

G06F 21/32	(2013.01)
G06F 21/35	(2013.01)
H04W 12/08	(2009.01)
H04W 84/12	(2009.01)
H04W 84/18	(2009.01)

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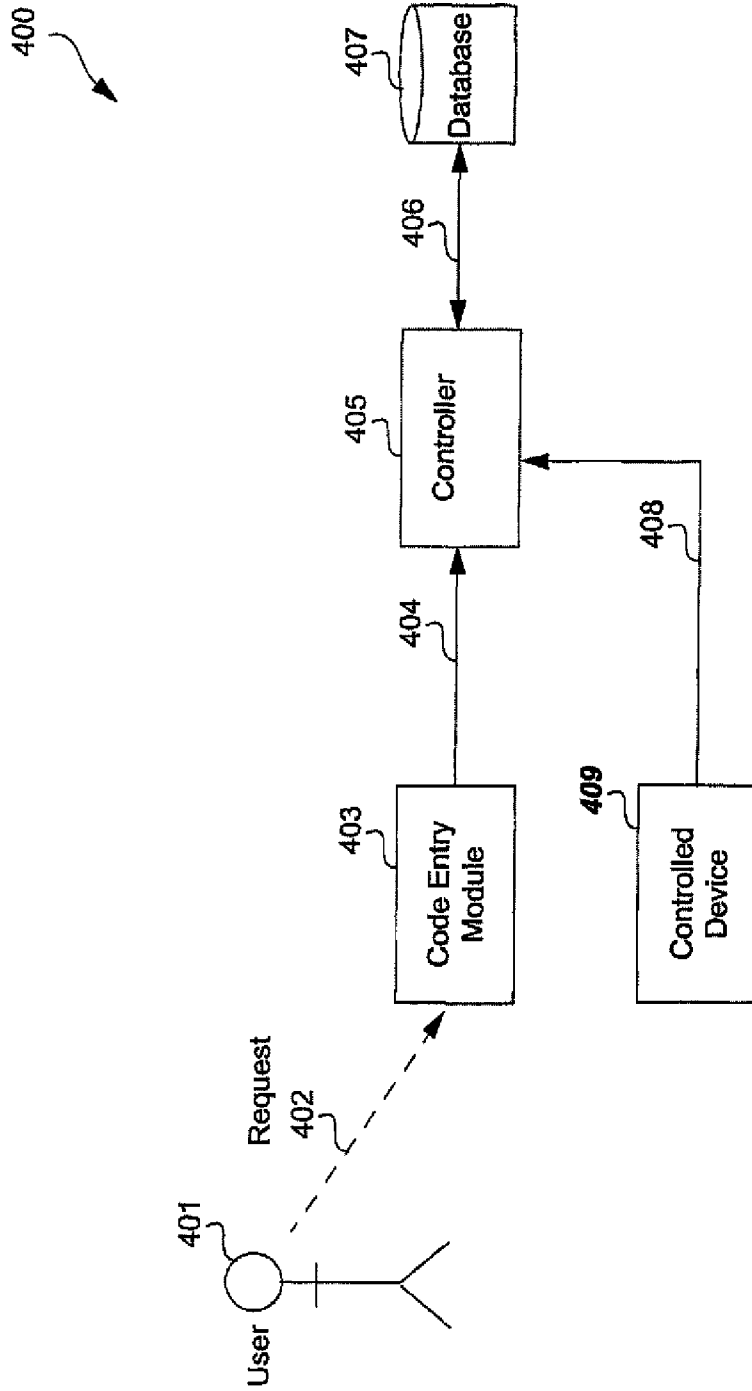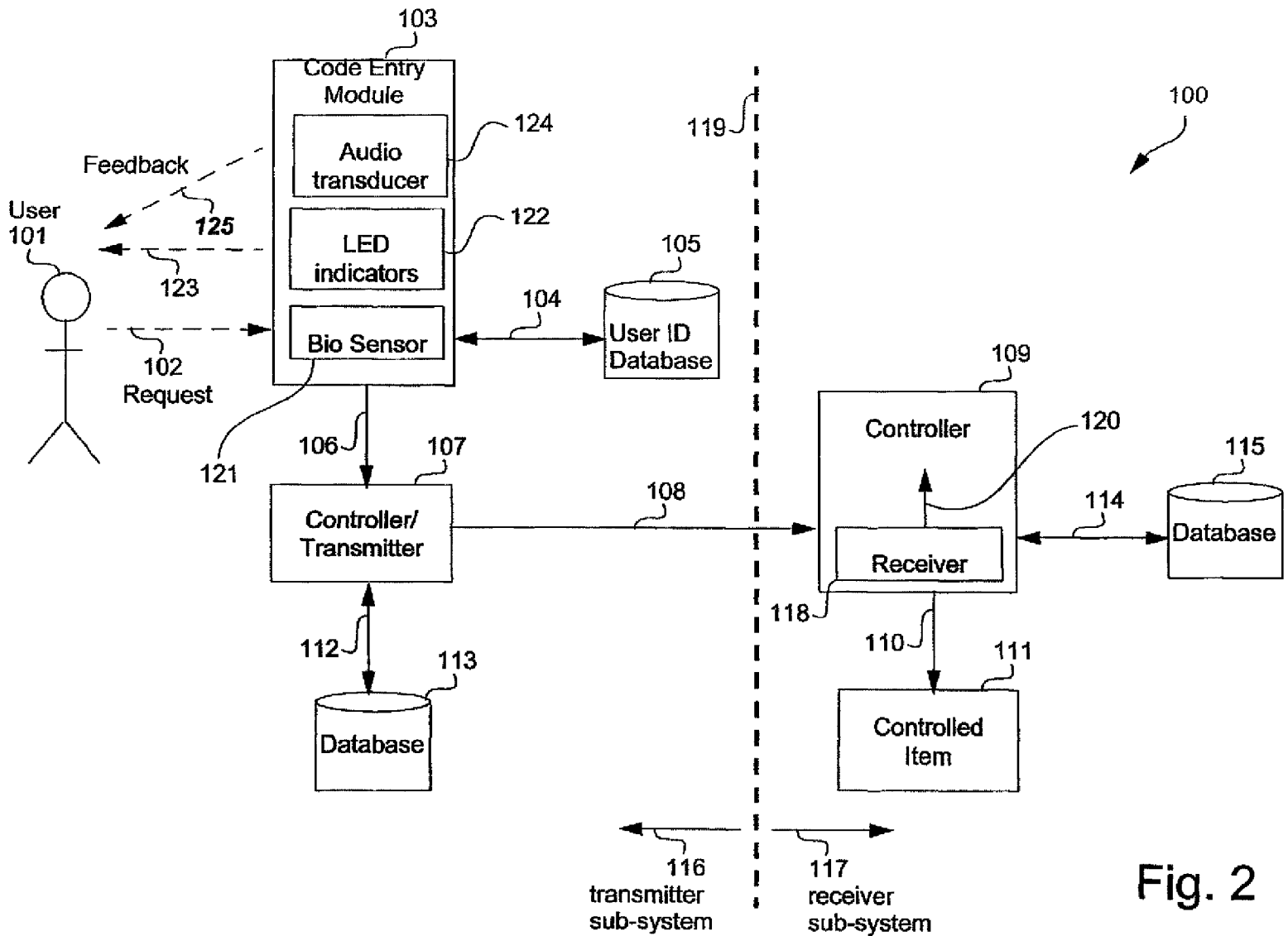
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400

User
401

Request
402

403
Code Entry
Module

404

405
Controller

406

407
Database

408

409
Controlled
Device

Fig. 1
(prior art)

103

Code Entry
Module

124

Feedback

Audio
transducer

User
101

125

122

LED
indicators

105

123

104

User ID
Database

Bio Sensor

102
Request

121

106

107

119

100

109

Controller

120

115

114

Database

108

Receiver

118

110

111

112

113

Database

116
transmitter
sub-system

117
receiver
sub-system

Controlled
Item

Fig. 2

200

201

NO — Biometric signal received?

YES

202

Compare to signatures

203

NO — OK?

YES

204

Select control option
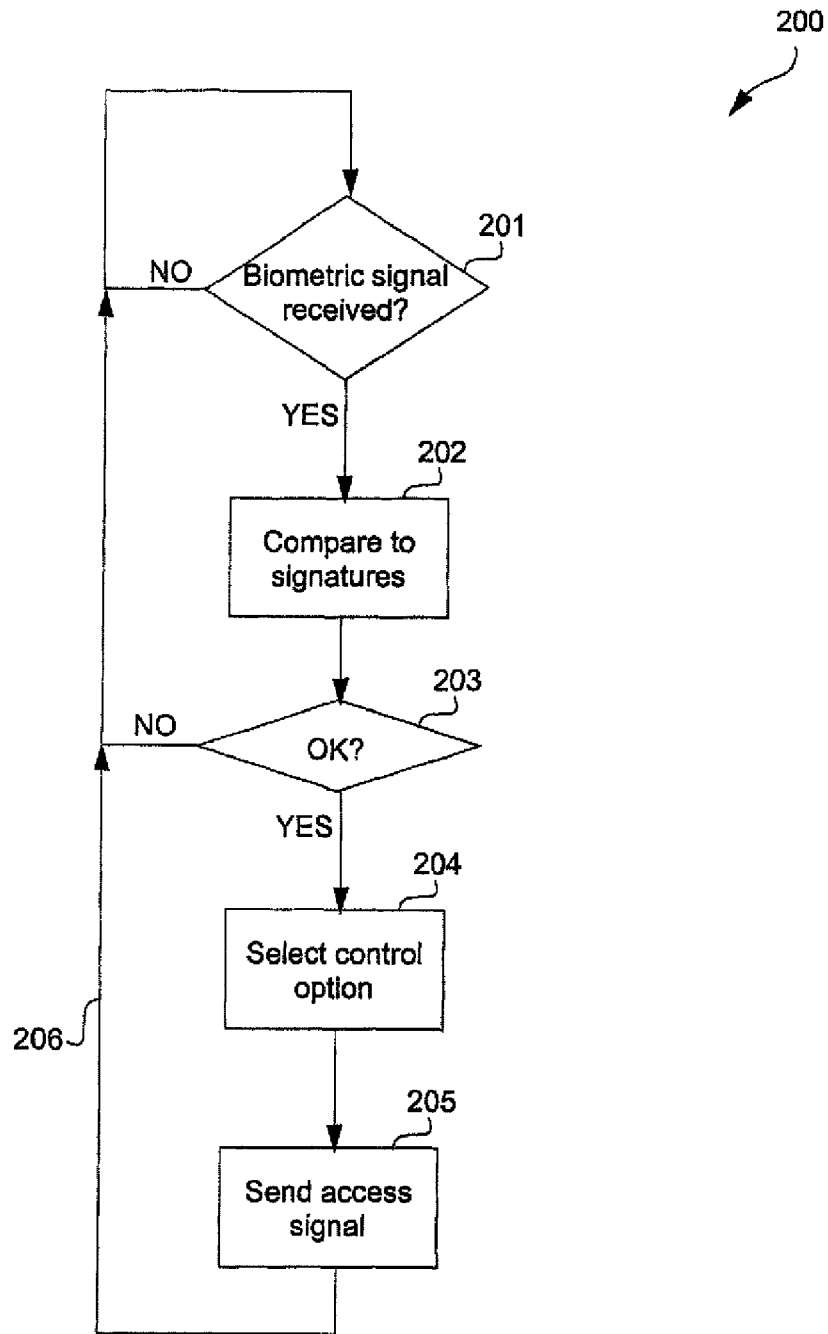
206

205

Send access signal

Fig. 3

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