



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.01.2010 Bulletin 2010/01

(51) Int Cl.:
G07C 9/00 (2006.01) H01Q 1/32 (2006.01)

(43) Date of publication A2:
03.10.2007 Bulletin 2007/40

(21) Application number: **06125411.6**

(22) Date of filing: **05.12.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated Extension States:
AL BA HR MK RS

(30) Priority: **31.03.2006 JP 2006097568**
31.03.2006 JP 2006097571

(71) Applicant: **Kabushiki Kaisha Honda Lock Miyazaki Miyazaki-shi (JP)**
Designated Contracting States:
DE FR GB

(72) Inventors:
• **Fujiwara, Hiroto**
KABUSHIKI KAISHA HONDA LOCK Miyazaki-shi Miyazaki (JP)
• **Otsuda, Yuuhou**
KABUSHIKI KAISHA HONDA LOCK Miyazaki-shi Miyazaki (JP)
• **Kuriyama, Kazuyuki**
KABUSHIKI KAISHA HONDA LOCK Miyazaki-shi Miyazaki (JP)

(74) Representative: **Dorschner, David et al Dennemeyer & Associates S.A.**
55, rue des Bruyères
1274 Howald (LU)

(54) **Door handle device**

(57) Provided is a door handle device incorporated with an antenna that can prevent the magnetic flux produced from the electro-conductive members from impairing the performance of the antenna. The door handle device comprises an antenna coil 11 for external communication formed by winding copper wire and a circuit board 10 including a ground pattern 32 and detection

electrode patterns 33 and 34 that are received in a door handle 5, and the ground pattern 32 and detection electrode patterns 33 and 34 are each provided with a plurality of slits 32S, 33S and 34S extending in parallel with an axial line A around which the antenna coil 11 is wound. The provision of the slits prevents generation of eddy current in each electro-conductive pattern which otherwise would interfere with the performance of the antenna.

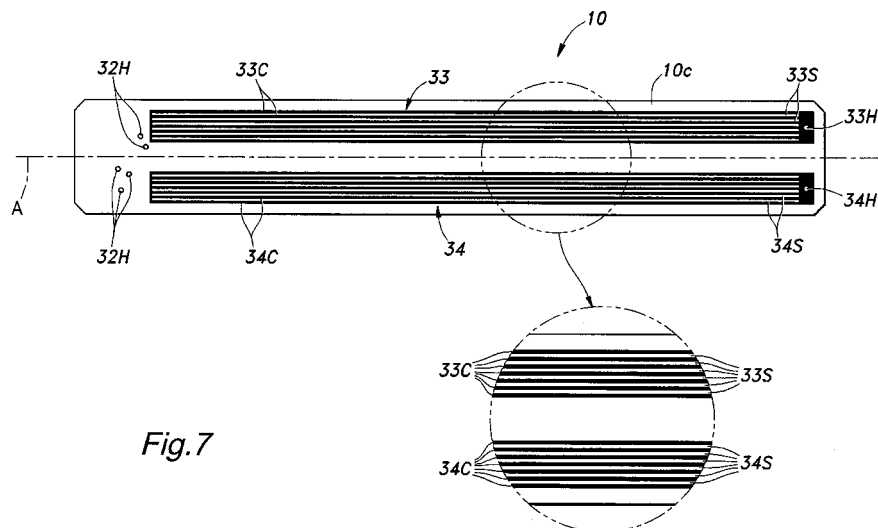


Fig. 7



EUROPEAN SEARCH REPORT

Application Number
EP 06 12 5411

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			TECHNICAL FIELDS SEARCHED (IPC)
			H01Q
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 November 2009	Examiner Teutloff, Ivo
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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