
Registro 1 de 1

Patent Number(s): FR3030072-A1; CA2913708-A1; EP3035715-A1; US2016174038-A1; BR102015031433-A2

Title: Method for indicating proximity between detector device e.g. smartphone, and electronic payment terminal, involves determining indication of proximity between terminal and detector device, and generating sound and/or vibration signal

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Abstract: NOVELTY - The method involves receiving a signal sent out by an communication device to be detected i.e. electronic payment terminal (10), and determining, from the received signal, an indication of proximity between the electronic payment terminal and a detector device e.g. smartphone (11). A sound signal and/or vibration signal representing the determined indication of proximity is generated (12), and the generated sound and/or vibratory signal is transmitted (13), where the received signal is a radio signal that corresponds to a Bluetooth low-energy type signal.

USE - Method for indicating proximity between a detector device e.g. smartphone or electronic card case, and an electronic payment terminal.

ADVANTAGE - The indication of proximity between the electronic payment terminal and the detector device e.g. smartphone, is determined, and the sound signal and/or vibration signal representing the indication of proximity is generated and transmitted, thus allowing a visually impaired user carrying a smartphone and wishing to make a payment with the electronic payment terminal to benefit from the indication of proximity between the smartphone and the electronic payment terminal.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a proximity indicating module
- (2) a computer program for indicating proximity between a detector device and an electronic payment terminal
- (3) a computer-readable recording medium recording a computer program for indicating proximity between a detector device and an electronic payment terminal.

DESCRIPTION OF DRAWING(S) - The drawing shows a flowchart of a method for indicating proximity. '(Drawing includes non-English language text)'

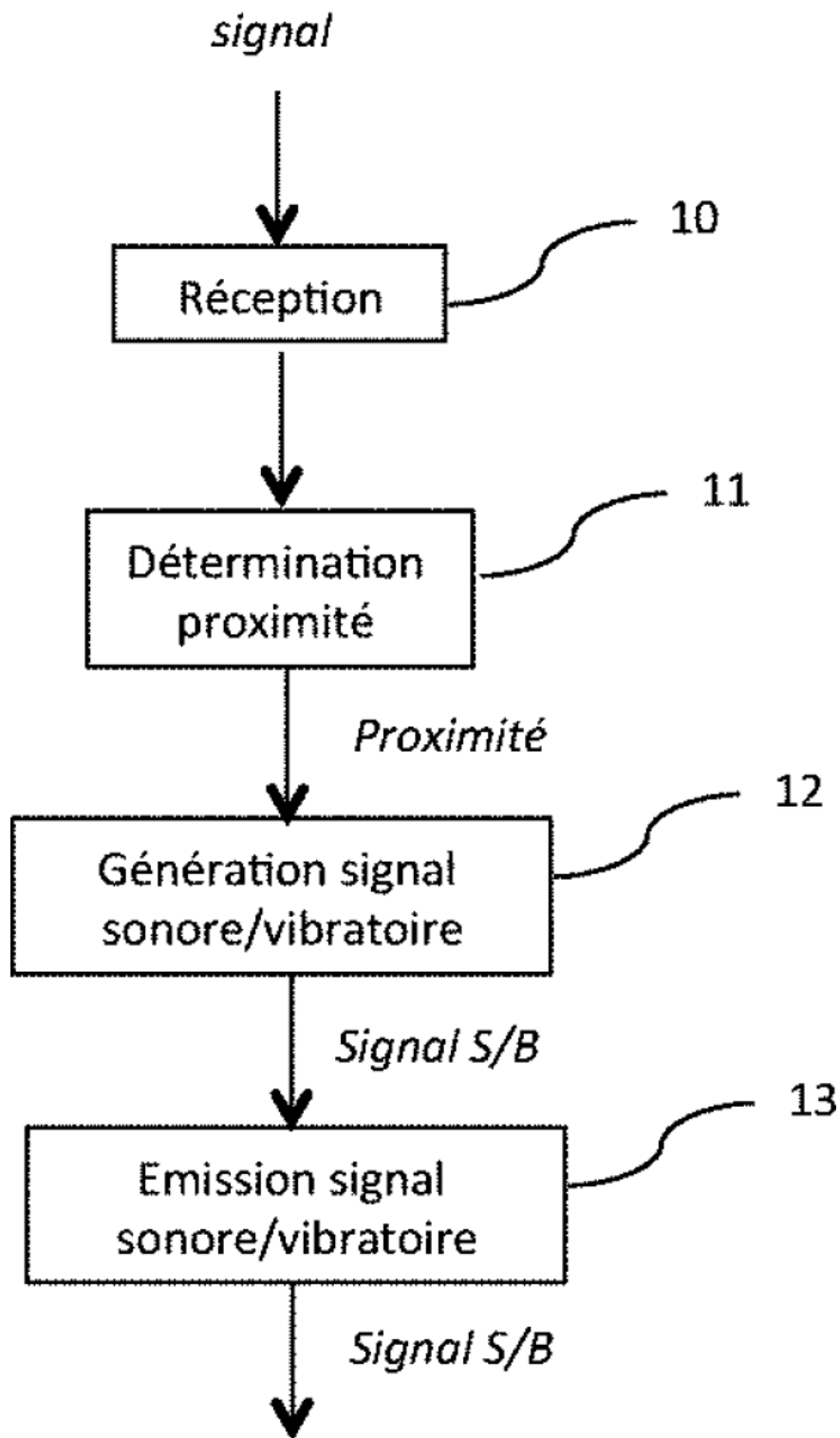
Step for receiving a signal sent out by an electronic payment terminal (10)

Step for determining, from the received signal, an indication of proximity between the electronic payment terminal and a detector device (11)

Step for generating a sound signal and/or vibration signal representing the determined indication of proximity (12)

Step for transmitting the generated sound and/or vibratory signal (13)

Drawing:



Derwent Class Code(s): T01 (Digital Computers); W01 (Telephone and Data Transmission Systems)

Derwent Manual Code(s): T01-C02B; T01-S03; W01-C01D3C; W01-C01G8S

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CA2913708-A1	16 Jun 2016	G08B-021/18	201642		English
EP3035715-A1	22 Jun 2016	H04W-004/02	201642		French
US2016174038-A1	16 Jun 2016	H04W-004/02	201642		English
BR102015031433-A2	09 Aug 2016	G06K-019/07	201669		English

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FR3030072-A1	FR062522	16 Dec 2014
CA2913708-A1	CA2913708	01 Dec 2015
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Cited Patent(s):		
FR3030072-A1	GB2356073-A	
	US20020087268-A1	
	US20100159833-A1	
	US20130298208-A1	
	US20140361735-A1	
EP3035715-A1	EP533542-A1	ITT COMPOSANTS&INSTR (INTT); GEMPLUS ELECTRONICS (GEMP) JANNIERE A
	EP565469-A1	INNOVATRON IND SA (INNO-Non-standard) COLNOT C
	EP691625-A1	AT & T CORP (AMTT) MANDELBAUM R; ZEMPOL K R
	GB2356073-A	
	US20020087268-A1	
	US20090121829-A1	
	US20100159833-A1	
	US20130298208-A1	
	US20140361735-A1	
US2016174038-A1	US20120258770-A1	
	US20130298208-A1	
	US20140361735-A1	
	US20150170133-A1	