

Title (en)  
ULTRASONIC CONTACT TRANSDUCER COMPRISING MULTIPLE EMITTING ELEMENTS AND MEANS FOR PRESSING SAID ELEMENTS

Title (de)  
ULTRASCHALL-KONTAKTWANDLER MIT MEHREREN SENDEELEMENTEN UND APPLIKATIONSMITTELN FÜR DIESE ELEMENTE

Title (fr)  
TRANSDUCTEUR ULTRASONORE DE CONTACT, A MULTIPLES ELEMENTS EMETTEURS ET MOYENS DE PLAQUAGE DE CES ELEMENTS

Publication  
**EP 1687804 B1 20180718 (FR)**

Application  
**EP 04805832 A 20041116**

Priority  
• FR 2004050589 W 20041116  
• FR 0350842 A 20031117

Abstract (en)  
[origin: FR2862385A1] The transducer has spring loaded pistons (8) and metal foil (10) to plate ultrasonic transmitter-receiver units (2) on a surface of an object to be controlled. An LED (26), a photodetector (28), an auxiliary processing unit (34), an articulated mechanical arm (36), and optical sensors (38) are provided for determining positions of the units (2) with respect to the object to be controlled, through the pistons and metal foil.

IPC 8 full level  
**G10K 11/34** (2006.01)

CPC (source: EP US)  
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**FR 2862385 A1 20050520; FR 2862385 B1 20060310**; CA 2546176 A1 20050602; CA 2546176 C 20120522; EP 1687804 A2 20060809; EP 1687804 B1 20180718; JP 2007511970 A 20070510; JP 4776545 B2 20110921; US 2007167800 A1 20070719; US 7955266 B2 20110607; WO 2005050617 A2 20050602; WO 2005050617 A3 20050818

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