

Title (en)  
FORCE TRANSDUCER

Title (de)  
KRAFTMESSWANDLER

Title (fr)  
TRANSDUCTEUR DE FORCE

Publication  
**EP 1664704 A1 20060607 (DE)**

Application  
**EP 04765375 A 20040917**

Priority  

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Abstract (en)  
[origin: EP1516595A1] Device for measuring the pressure between two bodies pressed against each other has at least an oscillator (1) with at least an induction coil (2), a sensor (11) made from at least partially conducting material that is arranged around the coil and an evaluation circuit (14) for determining the frequency change resulting from changes in the inductance of the induction coil caused by changes in the pressure applied to the sensor. The invention also relates to a corresponding use of the inventive device for determining the dental contact pressure or occlusion pressure between teeth.

IPC 1-7  
**G01L 1/14**; **G01L 5/00**; **A61C 19/05**

IPC 8 full level  
**A61B 5/22** (2006.01); **A61C 19/05** (2006.01); **G01L 1/12** (2006.01); **G01L 5/00** (2006.01)

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Citation (search report)  
See references of WO 2005029025A1

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JP 2001281070 A 20011010 - RYOWA DENSHI KK, et al

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1516595 A1 20050323**; AU 2004274637 A1 20050331; CA 2538950 A1 20050331; CN 1882825 A 20061220; CN 1882825 B 20101215; EP 1664704 A1 20060607; JP 2007514130 A 20070531; NO 20061654 L 20060615; US 2005115330 A1 20050602; US 2007039394 A1 20070222; US 7121148 B2 20061017; US 7401526 B2 20080722; WO 2005029025 A1 20050331

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**EP 03021248 A 20030918**; AU 2004274637 A 20040917; CA 2538950 A 20040917; CN 200480033640 A 20040917; EP 04765375 A 20040917; EP 2004010483 W 20040917; JP 2006526601 A 20040917; NO 20061654 A 20060411; US 58068106 A 20061013; US 94445104 A 20040917