

Title (en)  
POTENTIAL ENERGY SURFACE SENSOR CHIP AND USE OF POTENTIAL ENERGY SURFACES ON A SENSOR CHIP AND METHOD FOR PREVENTING A SENSOR CHIP FROM BEING SOILED

Title (de)  
SENSORCHIP MIT POTENTIALFLÄCHEN BZW. VERWENDUNG VON POTENTIALFLÄCHEN AUF EINEM SENSORCHIP BZW. VERFAHREN ZUR VERMEIDUNG VON VERSCHMUTZUNGEN AUF EINEM SENSORCHIP

Title (fr)  
PUCE DE DETECTEUR PRESENTANT DES SURFACES DE POTENTIEL, UTILISATION DE SURFACES DE POTENTIEL SUR UNE PUCE DE DETECTEUR ET PROCEDE POUR EVITER LA CONTAMINATION D'UNE PUCE DE DETECTEUR

Publication  
**EP 1281048 A1 20030205 (DE)**

Application  
**EP 02735048 A 20020417**

Priority  
• DE 0201424 W 20020417  
• DE 10118781 A 20010418

Abstract (en)  
[origin: WO02084226A1] The aim of the invention is to provide a sensor chip whose sensor area is free from deposits caused by contaminations in the medium that flows past the sensor chip. To this end, the sensor chip (1) has at least one potential energy surface (44, 47, 50, 53) at least upstream of the sensor area (17), said surface preventing a deposition of contaminations in the sensor area (17) by electric interaction with the contaminations.

IPC 1-7  
**G01F 1/684**

IPC 8 full level  
**G01P 5/12** (2006.01); **G01F 1/684** (2006.01); **G01F 1/692** (2006.01); **G01K 7/18** (2006.01)

CPC (source: EP KR US)  
**G01F 1/684** (2013.01 - KR); **G01F 1/6845** (2013.01 - EP US)

Citation (search report)  
See references of WO 02084226A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02084226 A1 20021024**; CN 1279333 C 20061011; CN 1461405 A 20031210; DE 10118781 A1 20021031; DE 10118781 B4 20050421; EP 1281048 A1 20030205; JP 2004518987 A 20040624; KR 20030011895 A 20030211; RU 2305258 C2 20070827; US 2003159505 A1 20030828; US 6854325 B2 20050215

DOCDB simple family (application)  
**DE 0201424 W 20020417**; CN 02801222 A 20020417; DE 10118781 A 20010418; EP 02735048 A 20020417; JP 2002581933 A 20020417; KR 20027016997 A 20021213; RU 2003100510 A 20020417; US 31140403 A 20030314