

Title (en)

OPTICAL SENSOR FOR DETECTING MOISTURE ON A GLASS PANE OF A MOTOR VEHICLE

Title (de)

OPTISCHER SENSOR ZUR DETEKTION VON FEUCHTIGKEIT AUF EINER SCHEIBE EINES KRAFTFAHRZEUGS

Title (fr)

DETECTEUR OPTIQUE POUR DETECTER DE L'HUMIDITE SUR UN PARE-BRISE D'UN VEHICULE A MOTEUR

Publication

EP 1812785 A1 20070801 (DE)

Application

EP 05797247 A 20051012

Priority

- EP 2005055174 W 20051012
- DE 102004054465 A 20041111

Abstract (en)

[origin: WO2006051028A1] The invention relates to an optical sensor for detecting moisture on a glass pane of a motor vehicle, wherein the light radiation (11) is guided towards a detection area (12) on the glass pane arranged in the beam path between the transmitter (1) and the receiver (2). The inventive sensor is characterized in that the transmitter (1) and/or the receiver (2) is/are transparent and integrated into the glass pane, thereby allowing the transparent optical elements (1, 2, 3, 8, 9) to be disposed in the area of a field of the glass pane cleaned by a wiper.

IPC 8 full level

G01N 21/55 (2006.01); **B60S 1/08** (2006.01)

CPC (source: EP KR US)

B32B 17/10036 (2013.01 - EP US); **B32B 17/10761** (2013.01 - EP US); **B60S 1/00** (2013.01 - KR); **B60S 1/08** (2013.01 - KR); **B60S 1/0822** (2013.01 - EP US); **B60S 1/084** (2013.01 - EP US); **G01N 21/552** (2013.01 - EP US); **B60S 1/0877** (2013.01 - EP US)

Citation (search report)

See references of WO 2006051028A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2006051028 A1 20060518; BR PI0506380 A 20061226; CN 101057133 A 20071017; DE 102004054465 A1 20060524; EP 1812785 A1 20070801; JP 2008524557 A 20080710; KR 20070084148 A 20070824; US 2008212101 A1 20080904

DOCDB simple family (application)

EP 2005055174 W 20051012; BR PI0506380 A 20051012; CN 200580038522 A 20051012; DE 102004054465 A 20041111; EP 05797247 A 20051012; JP 2007540622 A 20051012; KR 20077010620 A 20070510; US 66751005 A 20051012