Title (en)
SENSOR ASSEMBLY COMPRISING A CAPACITIVE PROXIMITY SENSOR

Title (de)
SENSORANORDNUNG MIT KAPAZITIVEM NÄHERUNGSSENSOR

Title (fr)
ENSEMBLE CAPTEUR COMPRENANT UN CAPTEUR DE PROXIMITÉ CAPACITIF

Publication
EP 2205466 A2 20100714 (EN)

Application
EP 08838447 A 20081008

Priority
• US 2008079142 W 20081008
• GB 0719807 A 20071010

Abstract (en)
[origin: WO2009048910A2] A sensor assembly comprises a capacitive proximity sensor (1) mounted to a shaped surface of a body, such as the internal surface (10) of a vehicle bumper (11), to sense the presence of external objects. The sensor comprises a dielectric film substrate (2) having front and rear major surfaces that, in use, face respectively outwards and inwards of the body, a sensor conductor (6) on the front major surface, and a guard conductor (8) on the rear major surface to provide an electrical shield for the sensor conductor. The surface (10) to which the sensor (1) is mounted is one that does not provide a substantially flat area for direct attachment of the sensor, at least in the sensor conductor region, and, with a view to ensuring the correct functioning of the sensor, the sensor mounting is designed to inhibit the ingress and retention of water/dirt between the sensor and the shaped surface, and to enable a major part of the sensor substrate to be maintained in a substantially flat condition at least in the sensor conductor region.

IPC 8 full level
B60R 19/48 (2006.01); **G01R 13/00** (2006.01)

CPC (source: EP)
G01D 5/2405 (2013.01); **G01D 11/26** (2013.01); **H03K 17/955** (2013.01); B60R 19/483 (2013.01); H03K 2217/960755 (2013.01)

Citation (search report)
See references of WO 2009048910A2

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