

Title (en)
RADAR SENSOR DEVICE

Title (de)
RADARSENSORVORRICHTUNG

Title (fr)
DISPOSITIF DE DÉTECTION PAR RADAR

Publication
EP 2186161 B1 20121114 (DE)

Application
EP 08786260 A 20080718

Priority
• EP 2008059480 W 20080718
• DE 102007039834 A 20070823

Abstract (en)
[origin: WO2009024421A1] The present invention relates to a radar sensor device (50) having a first plurality of integrated sensor devices (S1, S2, S3; S1'; S1'a, S1'b, S1'c; S11-S31; S01-S09) mounted on a surface (O) of a substrate (52), the integrated sensor devices (S1, S2, S3; S1'; S1'a, S1'b, S1'c; S11-S31; S01-S09) being designed such that they can each emit radar signals by means of an antenna device (451, 452, 453; 451a, 451b, 451c; 451a', 451b', 451c') in a signal direction (S11, S12, S13) oriented away from the surface (O) and/or can receive said signals from each signal direction (S11, S12, S13); a housing (51) for packing the first plurality of integrated sensor devices (S1, S2, S3; S1'; S1'a, S1'b, S1'c; S11-S31; S01-S09) having a wall area (W) into which a second plurality of wave-guiding elements (431, 432, 433) is integrated, the wave-guiding elements (431, 432, 433) being disposed in the wall area (W) such that each sensor device (S1, S2, S3; S1'; S1'a, S1'b, S1'c; S11-S31; S01-S09) is associated with a wave-guiding element (431, 432, 433) in the associated signal direction (S11, S12, S13) thereof.

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Citation (examination)
• DE 4412770 A1 19951019 - SIEMENS AG [DE]
• US 6366245 B1 20020402 - SCHMIDT EWALD [DE], et al

Cited by
GB2551840A

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