

Title (en)

WHEEL HUB ASSEMBLY FOR A VEHICLE WHEEL AND POLE RING OF AN ABS SENSOR

Title (de)

RADNABENANORDNUNG FÜR EIN FAHRZEUGRAD SOWIE POLRING EINES ABS-SENSORS

Title (fr)

SYSTÈME DE MOYEU DE ROUE DE VÉHICULE ET BAGUE POLAIRE D'UN CAPTEUR ABS

Publication

**EP 3140131 A1 20170315 (DE)**

Application

**EP 15725486 A 20150505**

Priority

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Abstract (en)

[origin: WO2015169285A1] In order to provide solutions for soiling problems and corrosion problems in the area between a pole ring (41) and the hub interior, arranged behind it, of a wheel hub assembly having a wheel hub (1) which ends inside the vehicle in a hub section (50) whose internal circumference (15) defines an opening (55) for the central passage of the stub axle (6) and on which a fastening device (42) of a pole ring (41) of an ABS sensor is mounted, wherein a pulse generator section (43) which is embodied in one piece with the fastening section (42) is a component of the pole ring (41), which pulse generator section (43) extends from the fastening section (42) to the wheel hub axis (A) and is provided with openings (44, 44L) distributed uniformly in the circumferential direction; in a first embodiment the pole ring (41) extends with its pulse generator section (43) towards the wheel hub axis (A) to such an extent that the opening (55) between the wheel hub (1) and stub axle (6) is for the most part covered towards the interior of the hub. In a second embodiment, at least some of the openings or slots have an extent (RL) towards the outside which is greater than the extent (R) which is necessary for sensing. Furthermore, it is proposed with respect to the pole ring (41) that some of the openings (44L) or slots have an extent (RL) towards the outside which is greater than the extent (R) of other openings (44) or slots.

IPC 8 full level

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