

Title (en)

WATER DRAINAGE SYSTEM FOR A CAR BODY CAVITY

Title (de)

ENTWÄSSERUNGSANORDNUNG FÜR EINEN KAROSSERIEHOHLRAUM

Title (fr)

ENSEMBLE D'EVACUATION D'EAU POUR UNE CAVITE DE CARROSSERIE

Publication

**EP 1597115 A1 20051123 (DE)**

Application

**EP 03789162 A 20031206**

Priority

- EP 0313865 W 20031206
- DE 10308669 A 20030228

Abstract (en)

[origin: WO2004076239A1] The invention relates to a water drainage system for a car body cavity (4) comprising at least one drainage hole (2) of the body (door threshold 1), an associated waterproof element (3) which is sealingly maintained along the contour of the hole, a cover element between the drainage hole (2) of the body (door threshold 1), a drainage opening (partial openings 10a, 10b, 10c) of the waterproof element (3), which is parallel to the drainage hole and a elastically deformable closing element (sealing valve 12) for sealing the water drainage opening (partial openings 10a, 10b, 10c). Said closing element is openable by the pressure of water accumulated in the cavity (4). The aim of said invention is to improve the watertightness of said waterproof element (3) and ensure reliable water drainage from the cavity (4). For this purpose, a single sealing valve (12) is used as a closing element for the water drainage opening (partial openings 10a, 10b, 10c). When said element is in a closed position, the valve entirely covers said water drainage opening (partial openings 10a, 10b, 10c). An annular sealing seat (sealing ring 14, sealing arm 17) is arranged between the opening edge and the sealing valve (12).

IPC 1-7

**B60R 13/07**

IPC 8 full level

**B60R 13/07** (2006.01); **B62D 25/24** (2006.01)

CPC (source: EP)

**B60R 13/07** (2013.01); **B62D 25/24** (2013.01)

Citation (search report)

See references of WO 2004076239A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 2004076239 A1 20040910**; CN 1756679 A 20060405; DE 10308669 A1 20040916; DE 10308669 B4 20060608; EP 1597115 A1 20051123; JP 2006513908 A 20060427

DOCDB simple family (application)

**EP 0313865 W 20031206**; CN 200380110016 A 20031206; DE 10308669 A 20030228; EP 03789162 A 20031206; JP 2004568666 A 20031206