

Title (en)

A wiper insert, a wiper element and a floor mat

Title (de)

Wischereinsatz, Wischerelement und Fußmatte

Title (fr)

Insert d'essuie-glace, élément d'essuie-glace et tapis de sol

Publication

EP 2623014 A1 20130807 (EN)

Application

EP 12405014 A 20120202

Priority

EP 12405014 A 20120202

Abstract (en)

A wiper element for a floor mat comprises a rail (10) with a groove (13) bounded laterally by bars (11). The groove (13) accommodates a wiper insert (1) with a one-piece base (2) made of PVC, comprising a horizontal bottom plate (3) which has anti-slippage strips (9) on its underside and a locking web (8) along one of its boundaries, and carries a wiper strip (5). Said upward-extending locking web (8) ends in a rounded edge below a furrow (15) on the underside of one of two retaining ribs (14) each projecting over the groove (13) from one of the rail's bars (11). The wiper insert (1) is inserted from above, the side with the locking web (8) being pushed under one of said retaining ribs (14), and the opposite side of the bottom plate (3) being - under elastic deformation of the base (2) - pushed under the opposite retaining rib (14), the edge of the locking web (8) and the furrow (15) temporarily forming a hinge. A worn-down wiper insert (1) can be torn out of the groove (13) in an upward direction with a screw-driver or similar. Wiper elements can be laterally coupled to form the floor mat.

IPC 8 full level

A47L 23/26 (2006.01)

CPC (source: EP)

A47L 23/26 (2013.01)

Citation (applicant)

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- US 4654245 A 19870331 - BALZER CLAUDE P [US], et al
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Citation (search report)

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- [XAI] DE 10300315 A1 20040722 - CORONET KOENIG & BOESCHKE GMBH [DE]

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US10292568B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2623014 A1 20130807

DOCDB simple family (application)

EP 12405014 A 20120202