

Title (en)
HINGED SLIDABLE DOOR FOR VEHICLES

Publication
EP 0320591 B1 19920325 (DE)

Application
EP 88116812 A 19881011

Priority
DE 3742279 A 19871212

Abstract (en)
[origin: EP0320591A2] A hinged sliding door for passenger-conveying vehicles, in particular rail vehicles, whose door leaf (1) can be slid in its longitudinal direction on a guide element (3), the guide element being swivellable transversely to the plane of the door leaf by means of cranks (4, 5) with vertical crankshafts (8, 9). The cranks (4, 5) form, together with this guide element (3) and the door frame (17), a four-bar linkage with opposing cranks. As a result, it is achieved that the door leaf (1) assumes a highly inclined position when the guide element (3) swivels, by means of which position the leading edge of the door leaf is lifted out of the door opening. The cranks (4, 5) are expediently of the same length. In order to coordinate the sliding and swivel movement, the door leaf is guided at its upper and lower end by guide rails (10). <IMAGE>

IPC 1-7
B60J 5/06; B61D 19/00

IPC 8 full level
B60J 5/06 (2006.01); **B61D 19/00** (2006.01); **B61D 19/02** (2006.01); **E05D 15/10** (2006.01); **E05F 15/56** (2015.01)

CPC (source: EP US)
B61D 19/008 (2013.01 - EP US); **B61D 19/02** (2013.01 - EP US); **E05D 15/1068** (2013.01 - EP US); **E05F 15/565** (2015.01 - EP US); **E05D 2015/1055** (2013.01 - EP US); **E05D 2015/1076** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US)

Cited by
EP0517334A1; US5253452A; DE4133179A1; US5263280A; DE4444404A1; EP3216957A1; RU2731940C2; EP1767427A1; EP1767428A1; EP0744516A1; CH690284A5; EP0443952A1; FR2658773A1; US5140770A; WO2017153904A1; EP0716004A1; US10883295B2; EP2325424A2

Designated contracting state (EPC)
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