

Title (en)

Swing arm unit for a side door of a vehicle and a car provided with such a swing arm unit

Title (de)

Schwenkarmeinheit für eine Seitentür eines Fahrzeugs und mit solch einer Schwenkarmeinheit ausgestattetes Auto

Title (fr)

Unité de bras oscillant pour la portière latérale d'un véhicule et voiture fournie avec cette unité de bras oscillant

Publication

EP 2261449 B1 20120801 (EN)

Application

EP 09162421 A 20090610

Priority

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Abstract (en)

[origin: EP2261449A1] A swing arm unit, which is configured to allow a side door of a vehicle to swing outward and rearward with respect to a vehicle body from a closed position to an open position and which comprises: - a first mounting bracket (10) to be connected to a door pillar of the vehicle; - a second mounting bracket (20) to be connected to the side door; - a swing arm (30) extending between said mounting brackets; - an electric motor (33) for pivoting the swing arm in relation to the first mounting bracket; and - a reduction gear system (40) acting between the motor and the first mounting bracket. The motor and the gear system are mounted to the swing arm so as to be carried by and move together with the swing arm when the swing arm is pivoted in relation to the first mounting bracket.

IPC 8 full level

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CPC (source: EP)

E05D 3/122 (2013.01); **E05D 15/101** (2013.01); **E05D 15/28** (2013.01); **E05F 15/614** (2015.01); **E05Y 2201/62** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2900/531** (2013.01)

Cited by

CN104033053A; EP2623701A3; EP3259423A4; EP3660252A1; WO2021204513A1; US9789922B2; DE102021210477A1; WO2023046435A1; DE102021210475A1; WO2023046436A1; US9605469B2; US9605466B2; US9605465B2

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