

Title (en)

Automatic sliding door opening/closing system

Title (de)

Automatisches Türöffnungs-/schliessungssystem

Title (fr)

Système pour ouverture et fermeture automatique des portes

Publication

EP 1167675 B1 20040519 (EN)

Application

EP 00113485 A 20000626

Priority

EP 00113485 A 20000626

Abstract (en)

[origin: EP1167675A1] An integrated system of components transport an automotive sliding door through its range of motion while providing adequate user safety. An automatic sliding door opening/closing system comprises a continuous, powered belted drive system located on a vehicle body, and a clamp arrangement capable of fixably attaching a vehicle door to the belt drive system so as to be automatically driven along a predetermined path and capable of releasing under predetermined conditions. The powered belt drive system is located so as to be combined with one of a van door's standard hinge system's three body tracks. The clamp arrangement may be a rotary device biased into a pinching action on the belt via a cam and spring arrangement.

IPC 1-7

E05F 15/14; E05F 15/00

IPC 8 full level

E05F 15/41 (2015.01); **E05F 15/646** (2015.01)

CPC (source: EP)

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Cited by

EP1630342A3; CN109941072A; US9476245B2

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