

Title (en)
HINGE-BASED DOOR CONTROL SYSTEM

Title (de)
TÜRSTEUERUNGSSYSTEM AUF SCHARNIERBASIS

Title (fr)
SYSTÈME DE COMMANDE DE PORTIÈRE À CHARNIÈRE

Publication
EP 3684997 A1 20200729 (EN)

Application
EP 18858029 A 20180921

Priority
• US 201762561209 P 20170921
• CA 2018051196 W 20180921

Abstract (en)
[origin: WO2019056125A1] A vehicle door control system is provided, and includes a body hinge member connected to the vehicle body, a door hinge member connected to the door, a brake and a control system. The brake includes a plate pack that includes a plurality of body brake plates connected to the body hinge member, and interleaved with a plurality of door brake plates connected to the door hinge member. The plate pack is positionable in a braking state in which the body brake plates and the door brake plates are frictionally engaged with one another to provide a first resistance to relative rotation therebetween so as to hold the vehicle door in a selected position, and a release state in which the body brake plates and the door brake plates provide a second resistance to relative rotation therebetween that is less than the first resistance.

IPC 8 full level
E05C 17/56 (2006.01); **B60J 5/04** (2006.01); **E05D 11/00** (2006.01); **H02K 7/06** (2006.01); **H02K 11/215** (2016.01)

CPC (source: EP US)
E05C 17/003 (2013.01 - US); **E05D 11/087** (2013.01 - EP US); **E05F 5/00** (2013.01 - EP); **E05F 5/025** (2013.01 - US); **E05F 15/622** (2015.01 - US); **E05F 15/624** (2015.01 - US); **E05F 15/70** (2015.01 - US); **E05F 15/75** (2015.01 - US); **F16D 55/36** (2013.01 - US); **F16D 65/186** (2013.01 - US); **F16H 1/46** (2013.01 - US); **H02K 7/102** (2013.01 - EP); **H02K 7/116** (2013.01 - EP); **H02K 11/215** (2016.01 - EP); **H02K 11/33** (2016.01 - EP); **E05D 2011/088** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/246** (2013.01 - EP US); **E05Y 2201/434** (2013.01 - US); **E05Y 2400/3016** (2024.05 - US); **E05Y 2400/32** (2013.01 - EP US); **E05Y 2400/326** (2013.01 - EP); **E05Y 2400/36** (2013.01 - EP US); **E05Y 2900/531** (2013.01 - EP US); **F16D 2121/24** (2013.01 - US); **F16D 2125/40** (2013.01 - US); **F16H 25/20** (2013.01 - US)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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