

Title (en)
Door hinge

Title (de)
Türband

Title (fr)
Charnière de porte

Publication
EP 1657388 A1 20060517 (DE)

Application
EP 05018021 A 20050819

Priority
DE 102004054704 A 20041112

Abstract (en)
The hinge has a bush in a hinge roller (3) for a guidance of a coupling bolt (4). An end of the bolt exhibits a flange (7) that is arranged in a recess. An axial bearing with a slip ring (8) is formed between rollers (3, 3') of two hinge parts. A contact area between the ring and flange is designed as a tapered or spherical segment surface. The ring exhibits a collar, which intervenes in an annular groove at an inner side of the bush.

IPC 8 full level
E05D 5/14 (2006.01); **E05D 5/10** (2006.01)

CPC (source: EP)
E05D 5/10 (2013.01); **E05D 5/14** (2013.01); **E05Y 2900/132** (2013.01)

Citation (applicant)
DE 3641117 A1 19880616 - SIMONSWERK GMBH [DE]

Citation (search report)
• [Y] GB 2156898 A 19851016 - WORCESTER PARSONS LIMITED
• [Y] DE 19745291 A1 19980507 - BREUER & SCHMITZ [DE]
• [Y] DE 8126130 U1 19820211
• [Y] DE 10316891 B3 20040609 - HOERMANN KG BRANDIS [DE]

Cited by
WO2008074385A1; WO2022095763A1

Designated contracting state (EPC)
AT CH DE LI

DOCDB simple family (publication)
EP 1657388 A1 20060517; **EP 1657388 B1 20111228**; AT E539218 T1 20120115; DE 102004054704 B3 20060511;
DE 102004054704 C5 20080529

DOCDB simple family (application)
EP 05018021 A 20050819; AT 05018021 T 20050819; DE 102004054704 A 20041112