

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