

Title (en)
Lift-off door hinge

Title (de)
Aushängbares Türscharnier

Title (fr)
Charnière de porte décroachable

Publication
EP 0863285 A3 20000614 (DE)

Application
EP 98100678 A 19980116

Priority
DE 19709039 A 19970306

Abstract (en)
[origin: EP0863285A2] The hinge pin (2) of a hinge for motor vehicle doors fits into the gudgeon of a hinge half on which a door is hung. The two parts have complementary alignment surfaces (13) which slope with respect to the hinge axis. The conical surface of the pin consists of a material that is harder than that of the hinge gudgeon and has at least one cam extending over part of the conical surface. Preferably the cam has a cross sectional shape which is at least approximately part of a circle and may taper towards the notional tip of the truncated cone forming the alignment surface.

IPC 1-7
E05D 5/12

IPC 8 full level
E05D 5/12 (2006.01); **E05D 7/10** (2006.01)

CPC (source: EP)
E05D 5/121 (2013.01); **E05D 7/1044** (2013.01); **E05D 2005/106** (2013.01); **E05D 2005/122** (2013.01); **E05Y 2800/26** (2013.01); **E05Y 2900/531** (2013.01)

Citation (search report)
• [Y] DE 29614385 U1 19961024 - SCHARWAECHTER GMBH CO KG [DE]
• [Y] DE 2123055 A1 19721123 - SCHARWAECHTER KG [DE]
• [A] GB 1369487 A 19741009 - PAUMELLERIE ELECTRIQUE

Cited by
EP3690172A4; GB2342953A; GB2342953B

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0863285 A2 19980909; EP 0863285 A3 20000614; EP 0863285 B1 20020403; DE 19709039 A1 19980917; DE 59803582 D1 20020508

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