

Title (en)
Concealed Hinge

Title (de)
Verdeckt liegendes Band

Title (fr)
Charnière cachée

Publication
EP 1431488 B1 20050720 (DE)

Application
EP 03028340 A 20031210

Priority
DE 20219506 U 20021217

Abstract (en)
[origin: EP1431488A1] A hidden hinge for a window or door has the fixed frame (14) fitted with on hinge plate (10) with a first axis (26) and the movable frame fitted with a second hinge plate (16) with a second axis (28) parallel to the first axis. The two axes are linked by a connecting lever (24) and with a leaf spring connecting the two pivots to drive the connecting lever into an extended position when the door/window is opened. This allows the movable frame to swing fully open without snagging the fixed frame. The ends of the leaf spring are bent over to locate in radial slots in the two mountings.

IPC 1-7
E05D 3/06

IPC 8 full level
E05D 3/06 (2006.01); **E05F 1/12** (2006.01); **E05D 5/02** (2006.01)

CPC (source: EP)
E05D 3/12 (2013.01); **E05F 1/1284** (2013.01); **E05D 5/0238** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Cited by
GB2623453A

Designated contracting state (EPC)
AT CH DE FR GB LI NL

DOCDB simple family (publication)
EP 1431488 A1 20040623; EP 1431488 B1 20050720; AT E299983 T1 20050815; DE 20219506 U1 20040422; DE 50300805 D1 20050825

DOCDB simple family (application)
EP 03028340 A 20031210; AT 03028340 T 20031210; DE 20219506 U 20021217; DE 50300805 T 20031210