

Title (en)  
Concealed hinge

Title (de)  
Verschwindscharnier

Title (fr)  
Charnière cachée

Publication  
**EP 0947654 B1 20100602 (DE)**

Application  
**EP 99250018 A 19990118**

Priority  
DE 19816365 A 19980403

Abstract (en)  
[origin: EP0947654A1] The hidden hinge has no parts visible when the door or window is closed. A curved hinge arm is rigidly fitted to the edge of the door/window with the end of the arm on a pivot support inside the frame. The frames of the door/window and the fixed frame are hollow structures. The hinge arm mounting is secured inside the fixed frame by clamping block inserts. The clamping blocks are fitted into the open frame and are secured with the door open. The fitted door/window is difficult to break into, with no hinge sections visible e.g. to be cut through.

IPC 8 full level  
**E05D 5/06** (2006.01); **E05D 5/02** (2006.01); **E05D 7/10** (2006.01); **E05D 11/00** (2006.01); **E05D 11/06** (2006.01)

CPC (source: EP)  
**E05D 5/06** (2013.01); **E05D 5/0215** (2013.01); **E05D 5/023** (2013.01); **E05D 7/1005** (2013.01); **E05D 11/0054** (2013.01); **E05D 11/06** (2013.01); **E05D 2005/067** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (examination)  
US 2394014 A 19460205 - SCHONITZER RUDOLPH I

Cited by  
ITBS20090063A1; ITVI20120156A1; EP1571662A1; ITVI20120155A1; EA026436B1; EA026436B9; GB2580951A; GB2580951B; CN115234111A; WO2014006586A1; WO2009095191A1

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

Designated extension state (EPC)  
AL LT LV MK RO SI

DOCDB simple family (publication)  
**EP 0947654 A1 19991006; EP 0947654 B1 20100602**; AT E470038 T1 20100615; DE 19816365 A1 19991014; DE 59915169 D1 20100715

DOCDB simple family (application)  
**EP 99250018 A 19990118**; AT 99250018 T 19990118; DE 19816365 A 19980403; DE 59915169 T 19990118