

Title (en)  
SPRING HINGE

Title (de)  
FEDERSCHARNIER

Title (fr)  
CHARNIERE A RESSORT

Publication  
**EP 1027515 A1 20000816 (EN)**

Application  
**EP 97946045 A 19971119**

Priority  
• IT 9700285 W 19971119  
• IT CZ960009 A 19961126

Abstract (en)  
[origin: WO9823835A1] The spring hinge is formed of two elements, one steady (1) and the other rotating (2) about a rod (6) which keeps them united, and at least four springs (10) which push eight steel balls (11) against two plates (12), having also them at least four holes (13) slightly smaller than steel balls (11). A spring (18), which ends are blocked in holes (16 and 17), realised respectively one in member (8) and the other in plate (12), makes easy the way back of the hinge in the initial position.

IPC 1-7  
**E05D 11/10**

IPC 8 full level  
**E05D 11/10** (2006.01)

CPC (source: EP)  
**E05D 11/1078** (2013.01); **E05D 2011/1035** (2013.01); **E05Y 2900/531** (2013.01)

Citation (search report)  
See references of WO 9823835A1

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

DOCDB simple family (publication)  
**WO 9823835 A1 19980604**; CA 2272929 A1 19980604; EP 1027515 A1 20000816; IT CZ960009 A1 19980526

DOCDB simple family (application)  
**IT 9700285 W 19971119**; CA 2272929 A 19971119; EP 97946045 A 19971119; IT CZ960009 A 19961126