

Title (en)  
Cabinet with rotating door

Title (de)  
Schrank mit Schwenktür

Title (fr)  
Coffret avec porte pivotante

Publication  
**EP 0535866 B1 19970409 (EN)**

Application  
**EP 92308710 A 19920924**

Priority  
• US 76610391 A 19910927  
• US 93763392 A 19920828

Abstract (en)  
[origin: EP0535866A1] A cabinet is provided with a curved, upwardly-swinging door and interior shelves. The curved door is mounted on a pair of opposed pivot arms which rotate on a horizontal axis. Each pivot arm is provided with a disk portion having a central boss and an arm portion tangent to the disk portion. The central boss engages a fixed stud at the side of the cabinet and provides a center pivot for each of the arms. A gas spring for each arm is provided, which is pivotably connected at one end to the arm and at the other end to a side wall of the cabinet. The gas spring serves to counterbalance the door as it moves between an open and a closed position and open the door unassisted once the user initiates movement of the door, this opening feature being very beneficial to seated and physically disabled users. <IMAGE>

IPC 1-7  
**E06B 3/40**; **E05D 15/40**; **E05F 1/10**

IPC 8 full level  
**E05D 15/40** (2006.01); **E05F 1/10** (2006.01); **E06B 3/40** (2006.01)

CPC (source: EP)  
**E05D 15/40** (2013.01); **E05F 1/1091** (2013.01); **E06B 3/40** (2013.01); **E05Y 2900/20** (2013.01)

Cited by  
DE102018112871A1; AT501065A1; CN103742038A; CN113749425A; GB2479027A; EP2843179A1; EP2093361A3; US7694459B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0535866 A1 19930407**; **EP 0535866 B1 19970409**; CA 2079184 A1 19930328; DE 69218868 D1 19970515; DE 69218868 T2 19970918

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