

Title (en)
Cabinet with rotating door

Title (de)
Schränk 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)
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