

Title (en)
DOOR WITH A LOCKING DEVICE

Publication
EP 0073964 B1 19850424 (DE)

Application
EP 82107455 A 19820816

Priority
DE 3135401 A 19810907

Abstract (en)
[origin: ES275403U] A latch assembly for use in combination with slidable doors is disclosed. A rotatable disk is connected to the door so that the plane of the disk is perpendicular to the door and parallel to the direction of door movement. A lock bolt which projects from the door jam is adapted to engage a slot in the disk as the door closes, causing the disk to rotate. As the disk rotates, it slides with respect to a spring loaded latch bolt until the bolt slides through a second slot in the disk, when the door is fully closed. Efforts to effectuate a forced entry of the door cause the resulting forces to be passed primarily between the disk and the lock bolt, while the latch bolt's primary function is to prevent rotation of the disk. Thus, an attempted forced entry will not cause excessive forces to be placed on the latch bolt. The latch bolt is slidably connected to a conventional manually operated garage door handle assembly including a lock.

IPC 1-7
E05C 3/26; **E05B 65/00**

IPC 8 full level
E05B 65/00 (2006.01); **E05C 3/24** (2006.01); **E05C 3/26** (2006.01); **E05C 21/02** (2006.01)

CPC (source: EP US)
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Cited by
DE20309354U1; EP1617024A3; DE10035023A1; DE10035023C2; WO9413911A3; EP1617024A2; EP2031939A1

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