

Title (en)

Door hinge for hidden assembly between door frame and door wing with a wire channel

Title (de)

Türband für eine bei geschlossener Tür verdeckte Anordnung zwischen Türzarge und Türflügel mit einer Durchgangbohrung für eine Elektroleitung

Title (fr)

Charnière pour arrangement caché entre battant et cadre de porte avec canal de câble

Publication

EP 1489255 B1 20070228 (DE)

Application

EP 04007770 A 20040331

Priority

DE 20309597 U 20030621

Abstract (en)

[origin: EP1489255A1] The fixed door frame (1) and the door leaf (2) have matching cutouts (4,4') which accommodate door plates (3,3') fastened by screws. There are brackets (10,10') which hold the ends of the hinge pins (8,8') which pass through bores in the edges of the connecting link (7,7'). There are elongated coil springs (13) above and below the hinge link, with their ends plugged into bores (11) in the fixed door frame and the edge of the door. The springs bend and partially pull out of the bore as the door is opened. Electric cables for equipment in the door leaf are threaded through the bores and the interior channel of the spring.

IPC 8 full level

E05D 11/00 (2006.01); **E05D 3/06** (2006.01)

CPC (source: EP)

E05D 3/186 (2013.01); **E05D 11/0081** (2013.01); **E05Y 2400/654** (2013.01); **E05Y 2800/344** (2013.01); **E05Y 2900/132** (2013.01)

Cited by

DE102007041816A1; DE102007041816B4; DE102016123578B3; DE102013108973B3; CN107654142A; EP2031166A3; US2011296761A1; CN102995998A; US8505169B2; CN114592762A; EP2840209A1; EP2031166A2

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DOCDB simple family (publication)

EP 1489255 A1 20041222; **EP 1489255 B1 20070228**; AT E355437 T1 20060315; DE 20309597 U1 20030911; DE 502004003004 D1 20070412; DK 1489255 T3 20070618; ES 2279249 T3 20070816

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