

Title (en)  
TUBULAR DOOR CLOSER

Publication  
**EP 0178391 B1 19890628 (DE)**

Application  
**EP 85108974 A 19850718**

Priority  
DE 3438042 A 19841017

Abstract (en)  
[origin: EP0178391A2] 1. Tubular door closer, comprising a damper preferably installed in the door leaf (1), in particular a hydraulic cylinder (12), a tension-proof tension member (5) resiliently bendable, engaging on the movable part (14) of the damper (12), in particular with a sheathed wire rope (6) and a fitting (11) preferably arranged in a stationary manner in the door frame (2) for the pivoting of the tension member (5) adjacent the frame, characterized in that the tension member (5) comprises a sheathing (7) of synthetic material which is resiliently bendable in several directions and is resistant to kinking and to compression, the tension member (5) being guided positively at least partly in the tube (13) of the damper (12).

IPC 1-7  
**E05F 1/10**; **E05F 3/00**; **E05F 3/10**

IPC 8 full level  
**E05F 1/10** (2006.01); **E05F 3/00** (2006.01); **E05F 3/10** (2006.01)

CPC (source: EP)  
**E05F 1/1066** (2013.01); **E05F 3/00** (2013.01); **E05F 3/108** (2013.01); **E05Y 2900/132** (2013.01)

Cited by  
GB2401148A; CN108166878A; GB2216181A; GB2216181B; AU607591B2; CN109441504A

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CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0178391 A2 19860423**; **EP 0178391 A3 19861105**; **EP 0178391 B1 19890628**; DE 3438042 A1 19860417; DE 3571260 D1 19890803

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