

Title (en)

CLOSING DEVICE FOR A HORIZONTALLY GUIDED DOOR PANEL

Publication

EP 0175194 A3 19861008 (DE)

Application

EP 85110997 A 19850831

Priority

DE 3433714 A 19840914

Abstract (en)

[origin: EP0175194A2] A closing device for a door wing which is longitudinally guided on a horizontal support rail is described. Parallel to the support rail a movable roller carriage is provided which has two deflection rollers. Two pull cables are connected by their one end to the door wing and by their other ends are attached in a fixed manner. They are guided about one of the deflection rollers in each case. A spring connects the roller carriage to a fixed point. A movement of the door wing also moves the roller carriage and tensions the spring. When the force acting against the spring ends, the spring relaxes again and moves the roller carriage back into its initial position. By means of entrainment via the pulling cables, the movement of the roller carriage brings about the closing of the door wing. The path of the door wing is in each case twice as large as that of the roller carriage. <IMAGE>

IPC 1-7

E05F 1/08; **E05F 15/06**

IPC 8 full level

E05F 1/08 (2006.01); **E05F 1/16** (2006.01); **E05F 15/56** (2015.01)

CPC (source: EP)

E05F 1/16 (2013.01); **E05F 15/565** (2015.01); **E05F 15/79** (2015.01); **E05Y 2201/20** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/246** (2013.01); **E05Y 2201/254** (2013.01); **E05Y 2201/256** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2201/41** (2013.01); **E05Y 2201/422** (2013.01); **E05Y 2201/448** (2013.01); **E05Y 2201/458** (2013.01); **E05Y 2201/478** (2013.01); **E05Y 2201/67** (2013.01); **E05Y 2800/25** (2013.01); **E05Y 2900/51** (2013.01); **E05Y 2900/532** (2013.01)

Citation (search report)

- [A] GB 2096692 A 19821020 - NIPPON DOOR CHECK MFG CO
- [A] US 4003102 A 19770118 - HAWKS NATHANIEL L, et al
- [A] FR 522370 A 19210729 - HANDEL MIJ H ALBERT DE BARY MI

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