

Title (en)

Door drive having auxiliary drive mechanism

Title (de)

Türantrieb mit zusätzlichem Schliessmechanismus

Title (fr)

Entraînement de porte complété d'un système de fermeture

Publication

**EP 2236717 A2 20101006 (EN)**

Application

**EP 10159007 A 20100401**

Priority

NL 2002710 A 20090403

Abstract (en)

The invention relates to a drive unit (16) for a leaf (10) of a door or window with an additional closing device which is active across a limited area of the opening angle of the leaf around 0°. More particularly, the additional closing device comprises an additional closing mechanism (100) with a shaft engagement means (104) provided on the drive shaft (20), an intermediate arm (108) which is rotatable about a swinging shaft (110) being situated at a distance from and parallel to the drive shaft (20) and having a first engagement means (130) arranged on a first arm end (106) so as to be able to engage with said shaft engagement means (104), and a spring construction, a first end (116) of which is hingedly connected to a second arm end (112) of the intermediate arm (108) and a second end (122) of which is hingedly arranged at a fixed position, in which the shaft engagement means (104) and the first engagement means (106; 130) of the intermediate arm (108) engage with one another across a predetermined area of the rotation angle of the drive shaft (20).

IPC 8 full level

**E05F 3/00** (2006.01); **E05F 3/22** (2006.01); **E05F 15/12** (2006.01)

CPC (source: EP)

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Citation (applicant)

DE 19500944 C2 20030703 - GEZE GMBH [DE]

Cited by

SE2150876A1; CN107849889A; US2018298664A1; EP3848547A1; US11306525B2; US11598134B2; WO2016174129A1; WO2017157849A1; CN107567528A; EP3848546A1; WO2016113430A1; WO2016113431A1; WO2016113432A1

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