

Title (en)
Locking device

Title (de)
Schliessvorrichtung

Title (fr)
Dispositif de verrouillage

Publication
EP 1262616 B1 20050907 (DE)

Application
EP 02012056 A 20020531

Priority
DE 10126909 A 20010601

Abstract (en)
[origin: EP1262616A2] The locking mechanism has a housing made in two parts and containing a bearing and a loading spring mechanism (28,29) for the sector gear (17). The first sector (18) has straight teeth engaging with a pinion (15) on the lock cylinder (13). A key (14) locks and unlocks the cylinder lock. The second sector (19) has bevel teeth (21) engaging a bevel gear (22) driving a catch (24).

IPC 1-7
E05B 17/04; **E05B 65/12**; **E05B 53/00**

IPC 8 full level
E05B 17/04 (2006.01); **E05B 79/12** (2014.01); **E05B 53/00** (2006.01); **E05B 83/36** (2014.01)

CPC (source: EP US)
E05B 17/042 (2013.01 - EP US); **E05B 79/12** (2013.01 - EP US); **E05B 53/00** (2013.01 - EP US); **E05B 83/36** (2013.01 - EP US);
Y10T 70/5889 (2015.04 - EP US)

Cited by
FR2988418A1; FR2985534A1; EP3404176A1; CN110621837A; KR20200007787A; WO2013139591A1; EP1612349A2; US11560741B2;
WO2018210682A1

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
EP 1262616 A2 20021204; **EP 1262616 A3 20021211**; **EP 1262616 B1 20050907**; DE 10126909 A1 20021212; DE 50204150 D1 20051013;
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EP 02012056 A 20020531; DE 10126909 A 20010601; DE 50204150 T 20020531; US 16044002 A 20020531