

Title (en)
ESPAGNOLETTE LOCK

Publication
EP 0168001 B1 19900404 (DE)

Application
EP 85108354 A 19850705

Priority
DE 3425565 A 19840711

Abstract (en)
[origin: EP0168001A2] 1. Drive-rod lock comprising a drive-rod (10) displaceable between an opening position and a closure position in combination with at least one lock element (16, 20, 22) a lock cylinder (30), a first toothed-wheel gearing (A) between the lock cylinder (30) and the drive-rod (10) for displacing the drive-rod (10) between the opening position and the closure position, and a manual actuation element (44) initially stressed into a rest position, in gear connection (C), affected by idle motion, with the drive-rod (10) in such a way that a displacement of the drive-rod (10) deriving from the manual actuation element (44) is possible, but a displacement of the drive-rod (10) deriving from the lock cylinder (30) results in no movement of the manual actuation element (44), where the first toothed-wheel gearing (A) is connected with a displacement and blocking mechanism (B) of the drive-rod (10), which mechanism on rotation of the first toothed-wheel gearing (A) from the lock cylinder (30) over a first partial rotation path shifts the drive-rod (10) between the opening position and the closure position and which, on rotation of the first toothed-wheel gearing (A) from the lock cylinder (30), over a second partial rotation path adjoining the first partial rotation path at one end, blocks the drive-rod directly, that is without substantial supporting action by the lock cylinder (30), and where a separator clutch (32) is provided between the lock cylinder core (30b) and the drive rod (10), characterised in that either the separator clutch (32) is interposed, as a separator clutch (32) operable by key insertion, between the lock cylinder core (30b) and the first toothed-wheel gearing (A) in such a way that when the key is withdrawn the first toothed-wheel gearing (A) is rotatable without the lock cylinder core (30b) and when the key is inserted the gearing (A) is rotatable with the lock cylinder core (30b), or in that the separator clutch (332) is formed by two successive clutch gear wheels (A15b, A17a) of the first toothed-wheel gearing (A), of which the one (A17a) is mounted on a joint plate (332a), this joint plate (332a) for its part being swingable out about a pivot axis parallel to the toothed wheel axes, and this pivot axis coinciding with the rotation axis of a further toothed wheel (A19) adjacent to the clutch position, and where the manual actuation element (344), acting upon the joint plate (332a) separates the two successive clutch gear wheels from one another within the idle motion in the gear connection (C) affected by idle motion.

IPC 1-7
E05C 9/02

IPC 8 full level
E05C 9/02 (2006.01)

CPC (source: EP)
E05C 9/023 (2013.01)

Cited by
AT412892B; DE3831529A1; DE3901223A1; DE3823132A1; US4962653A; US5265920A; US5373716A; US5197771A; DE3823504C1; DE3844849C2; EP1195485A3; EP0545899A3; EP0325215A3; CN108166844A; CN115288527A; WO2020130904A1

Designated contracting state (EPC)
AT DE NL

DOCDB simple family (publication)
EP 0168001 A2 19860115; EP 0168001 A3 19870506; EP 0168001 B1 19900404; AT E51670 T1 19900415; DE 3425565 A1 19860123; DE 3576979 D1 19900510

DOCDB simple family (application)
EP 85108354 A 19850705; AT 85108354 T 19850705; DE 3425565 A 19840711; DE 3576979 T 19850705