

Title (en)
Espagnolette lock.

Title (de)
Treibstangenschloss.

Title (fr)
Serrure à espagnolette.

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Application
EP 85108354 A 19850705

Priority
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Abstract (en)

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between the lock cylinder core (30b) and the first toothed-wheel gearing (A) in such a way that when the key is withdrawn the first toothed-wheel gearing (A) is rotatable without the lock cylinder core (30b) and when the key is inserted the gearing (A) is rotatable with the lock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.

Abstract (de)

Bei einem Treibstangenschloß ist die Treibstange (10) wahlweise von einem Schließzylinder (30) aus oder von einem Handbetätigungselement (44) aus verstellbar. Dabei kann die Treibstange von dem Handbetätigungselement in beide Richtungen bewegt werden, wobei das zwischen dem Schließzylinder und die Treibstange eingeschaltete Zahnradgetriebe mitgenommen wird. Zwischen dem Schließzylinder und dem Zahnradgetriebe befindet sich eine durch Schlüsseinstecken betätigbare Kupplung. Das Zahnradgetriebe (A) wirkt auf die Treibstange über einen Verschiebe- und Sperrmechanismus (B) ein. Der Verschiebe- und Sperrmechanismus bewirkt in einem ersten Teildrehweg eine Verschiebung der Treibstange, wobei innerhalb dieses Teildrehwegs eine Rückwirkung von der Treibstange auf das Zahnradgetriebe möglich ist. In einem zweiten Teildrehweg bewirkt der Verschiebe- und Sperrmechanismus eine Sperrung der Treibstange. Dann ist eine Verstellung des Zahnradgetriebes von der Treibstange aus nicht mehr möglich, ohne daß die Sperrung auf einer Stützwirkung des Schließzylinders (30) beruht.

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Cited by
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