

Title (en)

An electromechanical locking mechanism

Title (de)

Elektromechanischer Verriegelungsmechanismus

Title (fr)

Mécanisme de verrouillage électromécanique

Publication

EP 2789777 B1 20171129 (EN)

Application

EP 14164101 A 20140409

Priority

GB 201306433 A 20130409

Abstract (en)

[origin: EP2789777A2] This invention relates to an electromechanical locking mechanism (1) comprising an inner escutcheon (5), an outer escutcheon (3), an inner handle (9), an outer handle (7), an inner spindle (13), an outer spindle (11), an inner spindle interlock (17), an outer spindle interlock (15) coupled to the inner spindle interlock and an electronic key reader (35) housed in the outer escutcheon. A latch (71) is mounted in the inner escutcheon (5) and is operable to releasably engage a notch (91) in the outer spindle interlock (17) and prevent rotation of the outer spindle interlock (15) and the outer spindle (11) when the latch (71) is engaged in the notch (91). The latch (71) is pivotably mounted in the inner escutcheon and pivots to and from a locking configuration in which part of the latch is located in the notch, and a release configuration in which the latch is free of the notch. The pivoting latch (71) will require less power to operate than linearly displaceable latches.

IPC 8 full level

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CPC (source: EP GB)

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Cited by

CN111197431A; CN113700382A; US12012780B2; EP3546679A1; CN111919007A; WO2019185545A1

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