

Title (en)
LOCK UNIT FOR DOORS AND WINDOWS

Title (de)
VERSCHLUSSEINHEIT FÜR TÜREN UND FENSTER

Title (fr)
UNITÉ DE VERROUILLAGE POUR PORTES ET FENÊTRES

Publication
EP 3757320 A1 20201230 (EN)

Application
EP 20182695 A 20200626

Priority
IT 201900010287 A 20190627

Abstract (en)
Lock unit (1) suitable for doors or windows (6) drivable by an electric motor (M), wherein said lock system unit (1) comprises:- a control member (2), able to couple with a lock cylinder (C) drivable by a key (K),- a first drive unit (3) and a second drive unit (4) which engage with the control member (2) to be rotated around corresponding rotation axes (R_{I} , R_{II}),- at least one of the first drive unit (3) and the second drive unit (4) being connected to a corresponding motion transmission element ($T1$, $T2$) movable along a projection/ retraction direction (D_{I} , D_{II}) with respect to a box-shaped body (5) of the lock unit (1), which is suitable for moving a corresponding bolt (7a, 7b) so as to engage the latter with, and disengage it from, a corresponding blocking seat provided on a wall or fixed subframe,- wherein the first (3) and the second drive unit (4) are rotatable between a first angular position ($A1$), to which a retracted position of the corresponding motion transmission element/elements ($T1$, $T2$) corresponds, and a second angular position ($A2$), to which corresponds a projected position outside the corresponding motion transmission element/elements ($T1$, $T2$), position indicating controlling means (W), configured to provide information on the position of the first (3) and/or second (4) drive unit 4 to prevent/enable the driving of the electric motor (M) thus preserving the drive unit 4 from a risk of damage resulting from operation under stress.

IPC 8 full level
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Citation (applicant)
• WO 2006122755 A1 20061123 - RUITER MARC ANDRE [NL]
• EP 1249565 A1 20021016 - STEINBACH & VOLLMANN [DE]
• CN 107503589 A 20171222 - YANTAI EVERLINK TECH CO LTD
• EP 1676968 A2 20060705 - PREFER COMMERCIALE SRL [IT]

Citation (search report)
• [I] WO 2006122755 A1 20061123 - RUITER MARC ANDRE [NL]
• [A] EP 2703586 A2 20140305 - ASSA ABLOY SICHERHEITSTECHNIK [DE]
• [A] US 2011066288 A1 20110317 - SPARENBERG INGO [DE], et al
• [A] EP 3309333 A1 20180418 - PAX AG [DE]
• [A] EP 1249565 A1 20021016 - STEINBACH & VOLLMANN [DE]
• [A] EP 1676968 A2 20060705 - PREFER COMMERCIALE SRL [IT]
• [A] EP 0853175 A1 19980715 - PREFER SRL [IT]
• [A] CN 107503589 A 20171222 - YANTAI EVERLINK TECH CO LTD

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