

Title (en)

A GROUND MOUNTED MOTOR-DRIVEN BLOCK SYSTEM AND A CLOSURE SYSTEM COMPRISING THE SAME

Title (de)

BODENMONTIERTES MOTORGETRIEBENES BLOCKSYSTEM UND EIN VERSCHLUSSSYSTEM DAMIT

Title (fr)

SYSTÈME DE BLOC MOTORISÉ MONTÉ AU SOL ET SYSTÈME DE FERMETURE ET SYSTÈME LE COMPRENANT

Publication

EP 4265870 A1 20231025 (EN)

Application

EP 22169008 A 20220420

Priority

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Abstract (en)

A ground mounted motor-driven block system (6) for a closure wing (1) comprises: a frame; a blocking member with a contact surface configured to be raised or lowered with respect to the frame and being formed by a leading surface of the blocking member when the blocking member rotates from a position in which the closure wing is free to move to a closure wing blocking position; a moveable actuation rod configured to rotate the blocking member; and a motorized drive mechanism configured to move the moveable actuation rod. The blocking member forms a first order lever having a fulcrum, an effort arm providing said contact surface and a load arm cooperating with the moveable actuation rod. By having the contact surface formed by a leading edge of the blocking member, the contact surface moves closer to the closure wing the higher is goes with respect to the frame.

IPC 8 full level

E05B 47/02 (2006.01); **E05B 15/00** (2006.01); **E05B 63/14** (2006.01); **E05B 65/00** (2006.01)

CPC (source: EP)

E05B 15/0086 (2013.01); **E05B 47/023** (2013.01); **E05B 63/14** (2013.01); **E05B 65/0007** (2013.01); **E05B 2063/0039** (2013.01)

Citation (applicant)

- US 2021277692 A1 20210909 - BERTELLI ALEXANDER MICHAEL [US], et al
- WO 2021089973 A1 20210514 - THIRKETTLE GRAEME ANDREW [GB], et al
- WO 2018228729 A1 20181220 - LOCINOX [BE]

Citation (search report)

- [AD] WO 2021089973 A1 20210514 - THIRKETTLE GRAEME ANDREW [GB], et al
- [A] DE 202017105264 U1 20170918 - GRETSCH-UNITAS GMBH BAUBESCHLÄGE [DE]
- [A] US 5755582 A 19980526 - CHARLTON JOHN [CA]
- [A] FR 2714925 A1 19950713 - HUET MARC [FR]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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