

Title (en)
Device for the motorized opening and closing of a gate.

Title (de)
Vorrichtung zum motorisierten Öffnen und Verschiessen eines Portals.

Title (fr)
Dispositif de motorisation de l'ouverture et du verrouillage d'un portail.

Publication
EP 0015857 A1 19800917 (FR)

Application
EP 80420023 A 19800225

Priority
FR 7905679 A 19790228

Abstract (en)
1. Apparatus for motorizing the opening and locking of a gate, more particularly of a gate with two leaves, comprising for actuating each leaf (1, 2) a tubular electric motor (14, 15) mounted along the vertical pivot axis of said leaf and located in the upper part of the leaf in a vertical tubular member (5) integral with the leaf, the stator (27) of this tubular motor (14, 15) and its output shaft (32) being connected to rotate, one with a fixed member (3) and the other with a component (5) of the leaf, characterised in that the tubular motor (14, 15), a torque limiter (33) associated with this tubular motor, electro-magnetic locking means (17, 18, 20) excited by the starting-up of said tubular motor as well as the electrical wires (19) supplying the electromagnetic locking means are all housed inside members (5, 6, 8) belonging in their own right to the leaf (1, 2).

Abstract (fr)
Ce dispositif concerne la motorisation et le verrouillage d'un portail à deux vantaux (1, 2), articulés sur des pivots (3, 4). Il est prévu, pour actionner chaque vantail, un moteur électrique tubulaire (14, 15), associé à un limiteur de couple et monté suivant l'axe de pivotement du vantail, à l'intérieur d'un élément tubulaire vertical (5) du vantail. Le moteur a son arbre de sortie lié audit élément, et son stator lié au pivot supérieur (3) du vantail. Ce dernier comprend en outre des moyens de verrouillage électromagnétiques (17, 18), excités par la mise en marche du moteur tubulaire (14, 15). L'ensemble du dispositif est ainsi intégré dans les vantaux.

IPC 1-7
E05F 15/12

IPC 8 full level
E05F 15/12 (2006.01)

CPC (source: EP)
E05F 15/614 (2015.01); **E05Y 2201/11** (2013.01); **E05Y 2201/236** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2400/3013** (2024.05); **E05Y 2600/40** (2013.01); **E05Y 2800/262** (2013.01); **E05Y 2800/28** (2013.01); **E05Y 2900/40** (2013.01)

Citation (search report)
• [D] CH 533229 A 19730131 - DUEBI AUTOMATIC AG [CH]
• US 4121382 A 19781024 - DIETRICH EDWARD J, et al
• FR 2312634 A1 19761224 - LOSSERAND MADOUX GUY [FR]
• DE 1070526 B

Cited by
FR2800122A1; EP0075806A1; FR2589190A1; DE112010000461B4; FR2953247A1; CN102639806A; FR3033355A1; FR2605042A2; EP1321610A3; EP0541479A1; FR2682541A1; EP0221827A1; ES2267351A1; DE3515475A1; FR2748772A1; FR2602806A1; DE112010000461T5; WO2008113829A1; WO0142608A1

Designated contracting state (EPC)
BE DE GB LU NL SE

DOCDB simple family (publication)
EP 0015857 A1 19800917; EP 0015857 B1 19820602; DE 3060485 D1 19820722; FR 2450334 A1 19800926; FR 2450334 B1 19830603

DOCDB simple family (application)
EP 80420023 A 19800225; DE 3060485 T 19800225; FR 7905679 A 19790228