

Title (en)

PIVOTING GATE EQUIPMENT FOR PASSAGEWAYS

Publication

EP 0075806 B1 19841212 (DE)

Application

EP 82108612 A 19820917

Priority

- DE 3138201 A 19810925
- DE 3141749 A 19811021
- DE 3228777 A 19820802
- DE 8129110 U 19811005

Abstract (en)

[origin: US4472908A] An automatic gate arrangement has a hollow and tubular lower post part defining an upright post axis and fixed to one side of the path, an upper end wall transverse to the post axis, and lower fasteners releasably securing the upper end wall to the lower post part. A support fixed to the upper end wall extends upward along the post axis therefrom and pivotally supports a gate shaft at the post axis. A reversible drive motor fixed on and underneath the upper end wall in the lower post part has a rotary output extending through the upper end wall. A transmission between the rotary output and the shaft converts rotation of the output into oscillation about the post axis of the shaft. A C-shaped gate projects laterally from the post axis and is secured to the shaft by connecting means for joint rotation about the post axis unless the gate and shaft are relatively rotated about the post axis with a force exceeding a predetermined maximum force. A controller connected to the motor includes a proximity sensor upstream along the path from the post parts for operating the motor and oscillating the gate when a person is detected by the sensor. A hollow and tubular middle post part above the lower post part, centered on the post axis in axial alignment with the lower post part, and carried on the gate pivots therewith about the post axis. A hollow and tubular upper post part above the middle post part is centered on the post axis in axial alignment with the lower and middle parts. A rigid strut is fixed to the lower post part and support and lower fasteners secure the upper post part to the strut for relatively fixing the upper and lower post parts together.

IPC 1-7

E06B 11/00; **E05F 15/12**

IPC 8 full level

E05F 15/12 (2006.01); **E06B 11/00** (2006.01); **E06B 11/08** (2006.01)

CPC (source: EP US)

E05F 15/614 (2015.01 - EP US); **E06B 11/085** (2013.01 - EP US); **E05F 15/74** (2015.01 - EP US); **E05Y 2201/224** (2013.01 - EP US); **E05Y 2800/106** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **E05Y 2900/40** (2013.01 - EP US)

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Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0075806 A1 19830406; **EP 0075806 B1 19841212**; CA 1186170 A 19850430; DE 3261555 D1 19850124; US 4472908 A 19840925

DOCDB simple family (application)

EP 82108612 A 19820917; CA 412200 A 19820924; DE 3261555 T 19820917; US 42284982 A 19820924