

Publication

EP 0937852 A3 19990901

Application

EP 99102003 A 19990201

Priority

IT VE980009 A 19980220

Abstract (en)

[origin: EP0937852A2] An operating device for door or window units with hinged wing panels, in particular for external window shutters, characterised by comprising: a support structure (4) fixed to the wall (6) and having hinged thereto on a vertical axis at least one wing panel (2) to be operationally moved between a closed position and an open position, at least one box element (16) incorporated in said wing panel (2), a first rocker arm (26) having one end constrained to move along a predetermined path (32) relative to said support structure (4) and its second end hinged to said box element (16), a second rocker arm (34) having one end constrained to move along a predetermined path (38) relative to said box element (16), its second end hinged to said support structure (4), and its central portion hinged to the central portion of said first rocker arm (26), operating means (22, 24, 48, 52) associated with said first rocker arm (26) and acting in the sense of causing its said first end to move along said predetermined path (32) relative to said support structure (4). <IMAGE>

IPC 1-7

E05F 11/00; **E05F 15/12**; **E05F 11/02**

IPC 8 full level

E05D 3/06 (2006.01); **E05D 15/26** (2006.01); **E05F 11/36** (2006.01); **E05F 15/10** (2006.01); **E05F 15/12** (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] DE 1708455 A1 19710506 - ZAHN PAUL
- [A] GB 2183723 A 19870610 - SECURISTYLE LTD

Cited by

FR2804714A1; ITUB20159354A1; EP3097834A4; EP1528199A1; FR2861790A1; US7117921B2; US11466499B2; CN111094680A; EP4019721A1; WO2017162662A1; WO2019057486A1; WO2024137838A1

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