

Title (en)

A WINDOW OPENING AND CLOSING DEVICE

Title (de)

VORRICHTUNG ZUM ÖFFNEN UND SCHLIESSEN VON FENSTERN

Title (fr)

DISPOSITIF D'OUVERTURE ET DE FERMETURE DE FENETRE

Publication

EP 1141509 A1 20011010 (EN)

Application

EP 99962595 A 19991217

Priority

- NZ 9900220 W 19991217
- NZ 33075798 A 19981219

Abstract (en)

[origin: WO0037760A1] A window opening and closing device comprises a housing adapted to be mounted to a window sill or window frame or integrally formed as part of a window sill or frame, two flexible coil arms extending from within the housing to be connected at their outer ends to a window sash, and an extension and retraction mechanism within the housing comprising at least one worm gear and means on the inner ends of the flexible coil arms engaging the worm gear(s) so that on rotation of the worm gear(s) one way or the other the flexible coil arms are extended from or retracted into the housing. The device may be operated manually and/or by an electric stepper motor.

IPC 1-7

E05F 11/04; **E05F 15/12**

IPC 8 full level

E05F 11/06 (2006.01); **E05F 15/12** (2006.01); **E05F 11/34** (2006.01)

CPC (source: EP)

E05F 11/06 (2013.01); **E05F 15/622** (2015.01); **E05F 11/34** (2013.01); **E05F 15/616** (2015.01); **E05Y 2800/00** (2013.01); **E05Y 2800/25** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

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