

Title (en)

Opening aid for a window, door or the like, and a corresponding window

Title (de)

Öffnungsunterstützungsvorrichtung für ein Fenster, eine Tür oder dergleichen sowie ein entsprechendes Fenster

Title (fr)

Dispositif d'assistance d'ouverture pour une fenêtre, une porte ou analogue ainsi que la fenêtre correspondante

Publication

EP 2620575 A3 20170503 (DE)

Application

EP 13000227 A 20130117

Priority

DE 202012000695 U 20120124

Abstract (en)

[origin: EP2620575A2] The aperture support device has an aperture support working spring element (8) which is provided between the blind frame (2) and a wing frame (3) of the window (1). The aperture support working spring element is connected in series with several springs (9) with different spring constants. The spring has a main spring and auxiliary spring such that spring rate of auxiliary spring is smaller than the spring rate of main spring. An independent claim is included for window.

IPC 8 full level

E05F 1/10 (2006.01); **E04D 13/035** (2006.01)

CPC (source: EP)

E04D 13/0354 (2013.01); **E05F 1/1058** (2013.01); **E05F 1/1075** (2013.01); **E05Y 2201/426** (2013.01); **E05Y 2201/686** (2013.01); **E05Y 2800/22** (2013.01); **E05Y 2800/244** (2013.01); **E05Y 2900/152** (2013.01); **E05Y 2900/154** (2013.01)

Citation (search report)

[X1] EP 0733146 A1 19960925 - RASMUSSEN KANN IND AS [DK]

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

DOCDB simple family (publication)

DE 202012000695 U1 20120306; EP 2620575 A2 20130731; EP 2620575 A3 20170503; EP 2620575 B1 20200226; PL 2620575 T3 20200727

DOCDB simple family (application)

DE 202012000695 U 20120124; EP 13000227 A 20130117; PL 13000227 T 20130117