

Title (en)
Doorleaf

Title (de)
Torblatt

Title (fr)
Vantail de porte

Publication
EP 0728897 A3 19970205 (DE)

Application
EP 96102746 A 19960223

Priority
DE 19506537 A 19950224

Abstract (en)
[origin: EP0728897A2] The adjacent leaves (10,10') hinge together via profiled portions (20,20') on them which fit together. Each such portion comprises a first flange extending radially from near the hinge axis (40), and onto which a curved slide surface joins. The slide surfaces are close together when the leaves are parallel. The leaves are thrust apart at right angles to the hinge axis when they are parallel, in which position the hinge axis can be to the rear of their outer surfaces (12,12'), and typically by one or more leaf (60) or coil springs or plastic and elastic components bearing against them. The springs can be coupled between flanges (24,24') on the profiled portions, engaging in grooves (26,26') formed in them.

IPC 1-7
E06B 3/48

IPC 8 full level
E05D 15/16 (2006.01); **E05D 15/24** (2006.01); **E06B 3/48** (2006.01); **E05D 1/04** (2006.01)

CPC (source: EP)
E05D 15/165 (2013.01); **E05D 15/242** (2013.01); **E06B 3/485** (2013.01); **E06B 3/486** (2013.01); **E05D 1/04** (2013.01); **E05Y 2800/41** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

- [DA] DE 4137040 A1 19930513 - DOERING ERICH [CH]
- [A] US 3941180 A 19760302 - THILL TIMOTHY N
- [A] DE 8707823 U1 19870813
- [A] DE 3021310 A1 19811217 - OSTHUSHENRICH KARL
- [A] EP 0030386 A1 19810617 - HOERMANN KG [DE]
- [A] DE 9301586 U1 19930415

Cited by
EP1160407A1; EP1357250A3; US6951237B2; US7121317B2; EP3363978A1; BE1024991B1

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