

Title (en)

Hinge for attaching a door to a supporting structure

Title (de)

Scharnier zum Anbringen einer Tür an einer Trägerstruktur

Title (fr)

Charnière pour fixer une porte à une structure de support

Publication

EP 0810342 B1 20010801 (EN)

Application

EP 96830304 A 19960528

Priority

EP 96830304 A 19960528

Abstract (en)

[origin: EP0810342A1] The invention relates to a hinge (3) for attaching a door (1) to a supporting structure (2) such as, an oven, for example, and in which a lever (5) is attached to the supporting structure (2) and a substantially box-shaped supporting element (6) is joined to the lever (5) along a hinge axis (x) by means of an offset joint whose hinge pin (7) protrudes sideways from the supporting element (6); a link rod (8) is hinged to the lever (5) eccentrically with respect to the hinge axis (x) and has at least one end that moves lengthways relative to the second supporting element (6); the door (1) is formed of two front walls (4) consisting of parallel glass panes with a hollow space between them, one fixed to the front side of the second supporting element (6) and the other fixed to its rear side; the door (1) is capable of assuming three stable positions, namely, closed, half open and fully open. <IMAGE>

IPC 1-7

E05F 1/12; **F24C 15/02**

IPC 8 full level

E05F 1/12 (2006.01); **F24C 15/02** (2006.01)

CPC (source: EP)

E05F 1/1261 (2013.01); **F24C 15/023** (2013.01); **E05Y 2201/22** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

Cited by

US6789293B2; EP1555486A3; CN110061170A; US7134169B2; CN114207236A; EP4001561A4; US11629542B2

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 0810342 A1 19971203; **EP 0810342 B1 20010801**; DE 69614247 D1 20010906; DE 69614247 T2 20020502

DOCDB simple family (application)

EP 96830304 A 19960528; DE 69614247 T 19960528