

Title (en)
DOOR WITH REDUCED SWING CLEARANCE

Publication
EP 0014147 B1 19830216 (FR)

Application
EP 80400093 A 19800122

Priority
FR 7901931 A 19790125

Abstract (en)
[origin: US4296791A] The invention concerns a folding door of the kind having a primary panel pivoted about one axis on a frame, and a secondary panel articulated with respect to the primary panel and engaging a slide guide which is perpendicular to the pivotal axis of the primary panel. According to the invention, the two panels are articulated by links pivotally connected to each of the primary and secondary panels at second and third axes respectively, and the secondary panel engages the slide guide at a fourth axis located at an intermediate point along the panel, all the four axes being disposed centrally of the thickness of the panels; furthermore, the distance between the second and third axes is equal to the thickness of the panels, and the distance between the third and fourth axes is the same as between the first and second axes. With this construction, the door will open in a substantially smaller space than a conventional door and in addition it can be opened by a simple pushing action. The door is thus suitable for use by handicapped persons in e.g. hospitals and community homes.

IPC 1-7
E06B 3/48; **E05D 15/26**; **E05F 1/02**; **E05F 3/04**

IPC 8 full level
E05D 15/26 (2006.01); **E05F 1/02** (2006.01); **E05F 3/04** (2006.01); **E06B 3/48** (2006.01)

CPC (source: EP US)
E06B 3/481 (2013.01 - EP US); **E05Y 2900/00** (2013.01 - EP US)

Citation (examination)

- BE 380156 A
- US 1396780 A 19211115 - PUGH HARRY W
- FR 1196319 A 19591123
- FR 467979 A 19140625 - ANNET ANTOINE PERRIER [FR]
- FR 2336526 A1 19770722 - MILANT EFFE ELLE SNC [IT]
- DE 2720728 A1 19781109 - HIRSCHL
- US 1626764 A 19270503 - THORNE LAWRENCE C

Cited by
GB2246591A; AU2002300001B2; AU2002300001B9; ITUD20080208A1; WO2020082112A1; US6470952B1; US8240509B2

Designated contracting state (EPC)
AT BE CH DE GB IT LU NL SE

DOCDB simple family (publication)
EP 0014147 A1 19800806; **EP 0014147 B1 19830216**; AT E2563 T1 19830315; DE 3061940 D1 19830324; FR 2447445 A1 19800822; FR 2447445 B1 19830121; US 4296791 A 19811027

DOCDB simple family (application)
EP 80400093 A 19800122; AT 80400093 T 19800122; DE 3061940 T 19800122; FR 7901931 A 19790125; US 11442980 A 19800122