

Title (en)
BEARING SYSTEM FOR A DOOR

Title (de)
LAGERSYSTEM FÜR EINE TÜR

Title (fr)
SYSTÈME DE MONTAGE POUR UNE PORTE

Publication
EP 4085177 B1 20230823 (DE)

Application
EP 20851254 A 20201229

Priority
• IT 201900025678 A 20191230
• IT 2020050326 W 20201229

Abstract (en)
[origin: WO2021137262A1] The invention relates to a bearing system for a door, comprising: a frame, which acts as a blind frame for the leaf (1) of the door and is provided with at least two different cavities (3) which are produced in a jamb (2) of the frame; and at least two hinges of a plurality of hinges (4, 5, 6), which connect the leaf (1) and the jamb (2) to each other and define a pivot axis (A), wherein each hinge (4, 5, 6) comprises a pivotable component (7) which is connected to the leaf (1) and can pivot about a separate pivot axis. Each hinge (4, 5, 6) is arranged in a single cavity (3) and also comprises a pair of connecting bodies (8, 8; 8, 9; 8, 18), of which each is connected to the jamb (2) and by means of which the hinge (4; 5; 6) is connected to the frame. The pivotable component (7) is mounted such that it is pivotable relative to the connecting body pair (8, 8; 8, 9; 8, 18). The pivotable component (7) additionally has a cover portion (7a), the shape and dimensions of which are such that when the door is closed, said cover portion (7a) largely covers the opening of the cavity (3) in which the hinge (4, 5, 6) is arranged and the outer surface thereof and the outer surfaces of the jamb (2) and the leaf (1) are coplanar. The pivot axis (A) of the leaf (1) and the pivot axis of the pivotable component (7) coincide.

IPC 8 full level
E05D 3/02 (2006.01); **E05D 11/00** (2006.01); **E05F 1/12** (2006.01); **E05F 3/20** (2006.01)

CPC (source: EP)
E05D 3/02 (2013.01); **E05D 11/0054** (2013.01); **E05D 11/0081** (2013.01); **E05F 1/123** (2013.01); **E05F 3/20** (2013.01); **E05D 2003/025** (2013.01); **E05D 2003/027** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/254** (2013.01); **E05Y 2201/264** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2900/132** (2013.01)

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

DOCDB simple family (publication)
WO 2021137262 A1 20210708; EP 4085177 A1 20221109; EP 4085177 B1 20230823; EP 4085177 C0 20230823; ES 2964197 T3 20240404; HR P20231425 T1 20240301; HU E064475 T2 20240328; IT 201900025678 A1 20210630; PL 4085177 T3 20240219

DOCDB simple family (application)
IT 2020050326 W 20201229; EP 20851254 A 20201229; ES 20851254 T 20201229; HR P20231425 T 20201229; HU E20851254 A 20201229; IT 201900025678 A 20191230; PL 20851254 T 20201229