

Title (en)

SPRING HINGE KIT FOR SWING-DOORS, PARTICULARLY FOR FIRE DOORS

Title (de)

FEDERSCHARNIER-KIT FÜR SCHWENKTÜREN, INSBESONDERE FÜR FEUERSCHUTZTÜREN

Title (fr)

KIT DE CHARNIÈRE À RESSORT DESTINÉ À DES PORTES PIVOTANTES, EN PARTICULIER DES PORTES COUPE-FEU

Publication

EP 4374037 A1 20240529 (EN)

Application

EP 22712933 A 20220314

Priority

- IT 202100019118 A 20210720
- EP 2022056466 W 20220314

Abstract (en)

[origin: WO2023001411A1] A hinge kit (1) for swing-doors, comprising a hinge structure (2) which has a first hinge arm (21) adapted to be fixed to a side wall (93) of a door opening and a second hinge arm (22) rotatably associated with the first arm (21). The second arm (22) comprises, at the hinge axis (R), an engagement element (29) which rotates integrally with it. The kit (1) further comprises a torsion spring structure (3) which can be fixed to the side wall (93) at a distance from the first hinge arm (21) and is provided with a shaft (30) for loading a torsion spring (35) which allows mating with the engagement element (29) in order to allow loading of the torsion spring (35).

IPC 8 full level

E05D 3/02 (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP)

E05D 3/02 (2013.01); **E05F 1/1016** (2013.01); **E05D 5/06** (2013.01); **E05D 11/04** (2013.01); **E05Y 2201/41** (2013.01); **E05Y 2201/484** (2013.01); **E05Y 2201/499** (2024.05); **E05Y 2900/132** (2013.01); **E05Y 2900/134** (2013.01)

Citation (search report)

See references of WO 2023001411A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2023001411 A1 20230126; EP 4374037 A1 20240529; IT 202100019118 A1 20230120

DOCDB simple family (application)

EP 2022056466 W 20220314; EP 22712933 A 20220314; IT 202100019118 A 20210720