

Title (en)
SLIDE FASTENER AND DESIGN METHOD THEREOF

Title (de)
REISSVERSCHLUSS UND ENTWURFSVERFAHREN DAFÜR

Title (fr)
FIXATION À GLISSIÈRE ET PROCÉDÉ DE CONCEPTION

Publication
EP 4129112 A4 20230503 (EN)

Application
EP 20929605 A 20200330

Priority
JP 2020014675 W 20200330

Abstract (en)
[origin: EP4129112A1] When a given pair of left and right fastener elements (E0,E1) included in the left and right fastener elements (21,22) come into initial contact on the rear protrusion (44) of an anterior fastener element (E0) of the given pair of left and right fastener elements (E0,E1) and the front protrusion (41) of a posterior fastener element (E 1) of the given pair of left and right fastener elements (E0,E1), the rear protrusion (42) of the posterior fastener element (E 1) is not in contact with the front protrusion (43) of a fastener element (E2) immediately posterior to said posterior fastener element (E1).

IPC 8 full level
A44B 19/06 (2006.01)

CPC (source: EP)
A44B 19/06 (2013.01)

Citation (search report)

- [X] EP 2005852 A2 20081224 - YKK CORP [JP]
- [XA] WO 2020031239 A1 20200213 - YKK CORP [JP]
- [XI] EP 2014188 A2 20090114 - YKK CORP [JP]
- [XA] EP 0175198 A2 19860326 - YOSHIDA KOGYO KK [JP]
- See also references of WO 2021199203A1

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)
EP 4129112 A1 20230208; EP 4129112 A4 20230503; EP 4129112 B1 20240619; CN 115279225 A 20221101; JP 7274044 B2 20230515; JP WO2021199203 A1 20211007; WO 2021199203 A1 20211007

DOCDB simple family (application)
EP 20929605 A 20200330; CN 202080095697 A 20200330; JP 2020014675 W 20200330; JP 2022512937 A 20200330