

Title (en)
AID DEVICE

Title (de)
HILFSVORRICHTUNG

Title (fr)
DISPOSITIF D'ASSISTANCE

Publication
EP 3721850 A4 20210106 (EN)

Application
EP 18884977 A 20181004

Priority
• JP 2017043843 W 20171206
• JP 2018037140 W 20181004

Abstract (en)
[origin: EP3721849A1] An aid device configured to assist a transfer operation of a care receiver, the aid device comprising: a base; an arm, provided on the base in a front-rear swingable manner; a support portion, configured to support a part of the care receiver's body, provided on the arm in a front-rear swingable manner; a main body portion provided on the base in a front-rear tiltable manner; an actuator, having a movable portion, extending and contracting from the main body portion; a linking mechanism configured to transmit a first operation to the forward swing of the support portion and a second operation to the forward swing of the arm, the first operation being an operation in which the movable portion extends from a contracted position to a predetermined intermediate position, and the second operation being an operation in which the movable portion extends from the intermediate position to an extended position; and an arm restricting mechanism configured to bias the upper portion of the arm toward the movable portion.

IPC 8 full level
A61G 7/14 (2006.01); **A61G 5/14** (2006.01)

CPC (source: EP KR)
A61G 1/02 (2013.01 - KR); **A61G 5/04** (2013.01 - KR); **A61G 5/1037** (2013.01 - KR); **A61G 5/125** (2016.10 - KR); **A61G 5/14** (2013.01 - EP KR); **A61G 7/10** (2013.01 - KR); **A61G 7/1017** (2013.01 - EP); **A61G 7/1046** (2013.01 - EP); **A61G 7/1086** (2013.01 - EP); **A61G 7/1092** (2013.01 - EP); **A61G 7/1094** (2013.01 - EP); **A61G 2200/34** (2013.01 - KR); **A61G 2200/36** (2013.01 - KR); **A61G 2200/52** (2013.01 - EP); **A61G 2200/54** (2013.01 - EP); **A61G 2200/60** (2013.01 - EP)

Citation (search report)
• [XPA] WO 2018168112 A1 20180920 - FUJI CORP [JP]
• [A] JP 2017023299 A 20170202 - DAIWA HOUSE IND
• [A] JP 2011104237 A 20110602 - NHK SPRING CO LTD
• See references of WO 2019111514A1

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

DOCDB simple family (publication)
EP 3721849 A1 20201014; EP 3721849 A4 20201230; EP 3721849 B1 20230510; CN 111315337 A 20200619; CN 111315337 B 20210831; CN 111315338 A 20200619; CN 111315338 B 20211224; EP 3721850 A1 20201014; EP 3721850 A4 20210106; EP 3721850 B1 20221026; JP 6889783 B2 20210618; JP 6934535 B2 20210915; JP WO2019111356 A1 20201022; JP WO2019111514 A1 20201022; KR 102359172 B1 20220208; KR 102359173 B1 20220208; KR 20200043477 A 20200427; KR 20200043478 A 20200427; SG 11202004125Y A 20200629; SG 11202004127V A 20200629; WO 2019111356 A1 20190613; WO 2019111514 A1 20190613

DOCDB simple family (application)
EP 17933921 A 20171206; CN 201780096684 A 20171206; CN 201880072630 A 20181004; EP 18884977 A 20181004; JP 2017043843 W 20171206; JP 2018037140 W 20181004; JP 2019557926 A 20171206; JP 2019558033 A 20181004; KR 20207009423 A 20171206; KR 20207009425 A 20181004; SG 11202004125Y A 20171206; SG 11202004127V A 20181004