Title (en)
ASSISTANCE ROBOT

Title (de)
HILFSROBOTER

Title (fr)
ROBOT D'ASSISTANCE

Publication
EP 3124002 A4 20170315 (EN)

Application
EP 14887502 A 20141226

Priority
- JP 2014059268 W 20140328
- JP 2014084660 W 20141226

Abstract (en)
[origin: EP3124002A1] An assistant robot in which a small-size actuator can be used is provided. One of a lifting and lowering section (40, 240, 340, or 440) and a holding section (50, 250, 350, or 450) includes guide paths (53, 253, 342, 343, and 451a) which guide the holding section (50, 250, 350, or 450) to move in a forward, backward, and inclined manner with respect to the lifting and lowering section (40, 240, 340, or 440). The other one includes a guided member (43, 243, 352, 353, 443, or 444) which moves along the guide path (53, 253, 342, 343, or 451a) .

IPC 8 full level
A61H 3/04 (2006.01); **A61G 5/00** (2006.01); **A61G 5/14** (2006.01); **A61G 7/10** (2006.01); **B25J 11/00** (2006.01)

CPC (source: EP)
A61G 5/14 (2013.01); **A61G 7/1019** (2013.01); **A61G 7/1086** (2013.01); **A61H 3/04** (2013.01); A61G 7/1046 (2013.01); A61G 7/1092 (2013.01); A61H 2003/043 (2013.01); A61H 2003/046 (2013.01); A61H 2201/5007 (2013.01); A61H 2201/5028 (2013.01); A61H 2201/5043 (2013.01); A61H 2201/5061 (2013.01); A61H 2201/5069 (2013.01)

Citation (search report)
- [XAI] US 2012174314 A1 20120712 - CLEMENT GIDEON M [US], et al
- [A] EP 1772132 A1 20070411 - INGENIUM UNIVERSAL APS [DK]
- [A] WO 03007866 A1 20030130 - MUENNEKEHOFF GERD [DE], et al
- See also references of WO 2015145915A1

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EP3360526B1

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 3124002 A1 20170201; **EP 3124002 A4 20170315**; **EP 3124002 B1 20180926**; **EP 3124002 B8 20181128**; CN 106163479 A 20161123; CN 106163479 B 20181207; EP 3123995 A1 20170201; EP 3123995 A4 20180328; EP 3123995 B1 20240717; JP 6310060 B2 20180411; JP 6534991 B2 20190626; JP WO2015145758 A1 20170413; JP WO2015145915 A1 20170413; WO 2015145758 A1 20151001; WO 2015145915 A1 20151001

DOCDB simple family (application)
EP 14887502 A 20141226; CN 201480077584 A 20140328; EP 14887416 A 20140328; JP 2014059268 W 20140328; JP 2014084660 W 20141226; JP 2016509850 A 20140328; JP 2016509919 A 20141226