

Title (en)  
ROBOT COMPRISING A TOOL

Title (de)  
ROBOTER MIT WERKZEUG

Title (fr)  
ROBOT ÉQUIPÉ D'UN OUTIL

Publication  
**EP 2991573 A1 20160309 (DE)**

Application  
**EP 14709888 A 20140311**

Priority  
• DE 102013007597 A 20130502  
• EP 2014000646 W 20140311

Abstract (en)  
[origin: WO2014177236A1] A robot according to the invention comprises a tool, in particular a surgical instrument, said tool comprising a shaft (1) having a distal joint assembly (3) with at least one degree of freedom. The robot also comprises a protective cover (4) that can be displaced from a distal position into a proximal position on the shaft. In the distal position, said protective cover accommodates the joint assembly, and when the protective cover is in the proximal position the joint assembly projects distally out of the protective cover.

IPC 8 full level  
**A61B 90/00** (2016.01)

CPC (source: EP US)  
**A61B 17/00234** (2013.01 - US); **A61B 34/30** (2016.02 - EP US); **A61B 2017/00336** (2013.01 - EP US); **A61B 2017/00991** (2013.01 - EP US); **A61B 2090/08021** (2016.02 - EP US)

Citation (search report)  
See references of WO 2014177236A1

Citation (examination)  
• KR 20130009121 A 20130123 - MOVASU INC [KR] & MOVASU INC [KR]: "KR20130009121A -INSTRUMENT FOR MINIMALLY INVASIVE SURGERY THAT CAN SELECTIVELY COVER ITS END EFFECTOR", 23 January 2013 (2013-01-23), XP055387010, Retrieved from the Internet <URL:translate.google.com> [retrieved on 20170630]  
• JP 2005000352 A 20050106 - PENTAX CORP & PENTAX CORP: "JP2005000352A - FORCEPS FOR ENDOSCOPE", 6 January 2005 (2005-01-06), XP055387016, Retrieved from the Internet <URL:translate.google.com> [retrieved on 20170630]

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)  
**DE 102013007597 A1 20141106**; CN 105358087 A 20160224; EP 2991573 A1 20160309; KR 101770051 B1 20170821;  
KR 20160008219 A 20160121; US 2016213434 A1 20160728; WO 2014177236 A1 20141106

DOCDB simple family (application)  
**DE 102013007597 A 20130502**; CN 201480038306 A 20140311; EP 14709888 A 20140311; EP 2014000646 W 20140311;  
KR 20157034203 A 20140311; US 201414787955 A 20140311