

Title (en)
ROTARY SHAFT FEEDTHROUGH FOR A ROBOT ARM

Title (de)
DREHDURCHFÜHRUNG EINES ROBOTERARMS

Title (fr)
PASSAGE ROTATIF D'UN BRAS DE ROBOT

Publication
EP 1697092 A1 20060906 (DE)

Application
EP 04802767 A 20041119

Priority
• DE 2004002554 W 20041119
• CH 20502003 A 20031202

Abstract (en)
[origin: WO2005053914A1] Disclosed is a rotary shaft feedthrough (D) for a robot arm, particularly a fourth shaft (4) of a delta robot, comprising a housing (6) and a shaft (7) which is disposed in an axial feedthrough (60) of the housing (6), is rotatably mounted in said housing (6), and is to be connected to the robot arm (4). The housing (6) is provided with at least two openings (61, 62) for cleaning the axial feedthrough (60). At least one longitudinal section of the shaft (7) has a diameter that is smaller than the diameter of the axial feedthrough (60) in said section such that a hollow space (R) is created between the shaft (7) and the axial feedthrough (60).

IPC 8 full level
B25J 17/02 (2006.01)

CPC (source: EP KR US)
B25J 9/0051 (2013.01 - EP US); **B25J 17/02** (2013.01 - KR); **B25J 17/0266** (2013.01 - EP US); **B25J 18/00** (2013.01 - KR); **Y10T 74/20335** (2015.01 - EP US)

Citation (search report)
See references of WO 2005053914A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005053914 A1 20050616; CA 2546777 A1 20050616; CA 2546777 C 20120710; DE 112004002721 B4 20130725; DE 112004002721 D2 20061102; EP 1697092 A1 20060906; JP 2007512968 A 20070524; KR 20060120682 A 20061127; US 2007137374 A1 20070621; US 7549355 B2 20090623

DOCDB simple family (application)
DE 2004002554 W 20041119; CA 2546777 A 20041119; DE 112004002721 T 20041119; EP 04802767 A 20041119; JP 2006541795 A 20041119; KR 20067010854 A 20060602; US 58015304 A 20041119