

Title (en)

METHOD AND DEVICE FOR MOUNTING A SUBASSEMBLY COMPRISING AT LEAST A COATING PRODUCT SPRAYER ON A ROBOT MOBILE PART

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MONTAGE EINER BAUGRUPPE AUS MINDESTENS EINER BESCHICHTUNGSMATERIALVERSPRÜHEINRICHTUNG, DIE AUF EINEM BEWEGBAREN TEIL EINES ROBOTERS ANGEORDNET IST

Title (fr)

PROCEDE ET DISPOSITIF DE MONTAGE D'UN SOUS-ENSEMBLE COMPRENANT AU MOINS UN PROJECTEUR DE PRODUIT DE REVETEMENT SUR UNE PARTIE MOBILE D'UN ROBOT

Publication

EP 1207965 B1 20040324 (FR)

Application

EP 00958683 A 20000811

Priority

- FR 0002317 W 20000811
- FR 9910993 A 19990830

Abstract (en)

[origin: US6349884B1] A process and device for mounting a sub-assembly that includes at least one coating product spray on a mobile part of a robot. The method includes:-engaging a support fast with the mobile part in a ring connected to the sub-assembly;-rotating this ring with respect to this support by bringing first projections provided on the periphery of the ring opposite second projections provided on the periphery of this support; and-displacing a bearing plate, connected to the mobile part, in the direction of this sub-assembly, until the plate exerts a bearing effort on the sub-assembly, the bearing effort being transmitted to the ring, with the result that the first and second projections are brought into mutual engagement. The device includes a ring connected to the sub-assembly and provided with first projections and a support, fast with the mobile part and provided with second projections, while a bearing plate borne by the mobile part is adapted to be displaced with respect to this support, the first and second projections being adapted to be brought into mutual engagement.

IPC 1-7

B05B 13/04

IPC 8 full level

B05B 15/06 (2006.01); **B05B 5/16** (2006.01); **B05B 13/04** (2006.01)

CPC (source: EP KR US)

B05B 5/1625 (2013.01 - EP US); **B05B 5/1675** (2013.01 - EP US); **B05B 12/1454** (2013.01 - EP US); **B05B 13/04** (2013.01 - KR); **B05B 13/0431** (2013.01 - EP US)

Cited by

WO2019197363A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6349884 B1 20020226; AT E262381 T1 20040415; AU 7012900 A 20010326; BR 0013588 A 20020507; CA 2382702 A1 20010308; CN 1137791 C 20040211; CN 1374889 A 20021016; DE 60009308 D1 20040429; DE 60009308 T2 20050310; EP 1207965 A1 20020529; EP 1207965 B1 20040324; ES 2214309 T3 20040916; FR 2797789 A1 20010302; FR 2797789 B1 20011123; JP 2003508198 A 20030304; JP 4392148 B2 20091224; KR 100695865 B1 20070319; KR 20020028223 A 20020416; MX PA02001491 A 20020702; TW 526097 B 20030401; WO 0115815 A1 20010308

DOCDB simple family (application)

US 64282300 A 20000822; AT 00958683 T 20000811; AU 7012900 A 20000811; BR 0013588 A 20000811; CA 2382702 A 20000811; CN 00812193 A 20000811; DE 60009308 T 20000811; EP 00958683 A 20000811; ES 00958683 T 20000811; FR 0002317 W 20000811; FR 9910993 A 19990830; JP 2001520216 A 20000811; KR 20027002574 A 20020227; MX PA02001491 A 20000811; TW 89117203 A 20000825