

Title (en)

GRIPPING DEVICE AND FAST PROTOTYPING METHOD FOR MANUFACTURING SUCH A GRIPPING DEVICE BY SINTERING

Title (de)

GREIFVORRICHTUNG UND SCHNELLES HERSTELLUNGSVERFAHREN EINES PROTOTYPES DURCH SINTERN

Title (fr)

DISPOSITIF DE PREHENSION ET SON PROCEDE DE FABRICATION PAR FRITTAGE SELON UNE TECHNIQUE DE PROTOTYPAGE RAPIDE

Publication

EP 1438162 A1 20040721 (FR)

Application

EP 02795334 A 20021022

Priority

- FR 0203615 W 20021022
- FR 0113598 A 20011022

Abstract (en)

[origin: FR2831087A1] The gripper/manipulator has a frame with an interface fixed to a moving member such as a robot arm, and at least one gripper for holding a component (P) in a set geometrical position relative to the frame. The frame has at least one component made from a fritted material by means of localised fusion of a powdered polymer or metallic material by the application of heat. The gripper/manipulator has a frame (12) with an interface (22) fixed to a moving member (14) such as a robot arm, and at least one gripper (16) for holding a component (P) in a set geometrical position relative to the frame. The frame has at least one component made from a fritted material by means of localised fusion of a powdered polymer or metallic material by the application of heat, e.g. in the form of a laser beam.

IPC 1-7

B25J 15/00; B29C 67/00; B22F 3/105

IPC 8 full level

B25J 15/00 (2006.01)

CPC (source: EP US)

B25J 15/00 (2013.01 - EP US); **B22F 12/41** (2021.01 - EP US); **B22F 2998/00** (2013.01 - EP); **Y02P 10/25** (2015.11 - EP)

Citation (search report)

See references of WO 03035336A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

FR 2831087 A1 20030425; **FR 2831087 B1 20040130**; EP 1438162 A1 20040721; WO 03035336 A1 20030501

DOCDB simple family (application)

FR 0113598 A 20011022; EP 02795334 A 20021022; FR 0203615 W 20021022