

Title (en)

DEVICE FOR DISPLACING AND POSITIONING AN OBJECT IN A SPACE

Title (de)

VORRICHTUNG ZUM BEWEGEN UND POSITIONIEREN EINES GEGENSTANDES IM RAUM

Title (fr)

DISPOSITIF PERMETTANT DE DÉPLACER ET DE POSITIONNER UN OBJET DANS L'ESPACE

Publication

EP 2114633 A1 20091111 (DE)

Application

EP 07858211 A 20071228

Priority

- EP 2007064618 W 20071228
- DE 102007004379 A 20070129

Abstract (en)

[origin: DE102007004379A1] The device e.g. delta robot (10), has three actuating arms (18) pivotable about a transmission axis (s), where each arm is connected to a motor/transmission unit (16). A carrier element is provided for arranging a gripping unit to grip an object, and an articulation axis (m) is connected with another articulation axis (n) of the carrier element over a pair of connecting bars. The connecting bars stabilize ball joints (24, 34) connected together, and are made of an elastic material and connected together by a pre-tensioning element (48) made of a rigid material.

IPC 8 full level

B25J 17/02 (2006.01)

CPC (source: EP US)

B25J 9/0051 (2013.01 - EP US); **B25J 17/0266** (2013.01 - EP US); **Y10T 74/20305** (2015.01 - EP US); **Y10T 74/20317** (2015.01 - EP US); **Y10T 74/20329** (2015.01 - EP US)

Citation (search report)

See references of WO 2008092540A1

Cited by

CN104057464A

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