

Title (en)
DEVICE FOR THE ASSEMBLY OF STANDARD ELEMENTS, WHICH IS INTENDED FOR THE PRODUCTION OF MECHANICAL PRECISION STRUCTURES

Title (de)
VORRICHTUNG ZUR MONTAGE VON STANDARDMÄSSIGEN ELEMENTEN, DIE ZUR HERSTELLUNG VON MECHANISCHEN PRÄZISIONSSTRUKTUREN BESTIMMT IST

Title (fr)
DISPOSITIF POUR L'ASSEMBLAGE D'ÉLÉMENTS STANDARD DESTINÉ À LA RÉALISATION DE STRUCTURES MÉCANIQUES DE PRÉCISION

Publication
EP 1704356 A1 20060927 (FR)

Application
EP 04816409 A 20041216

Priority
• FR 2004003274 W 20041216
• FR 0400158 A 20040109

Abstract (en)
[origin: US2005150103A1] A device for the assembly of at least two standard elements (EB) of a precision mechanical structure by means of a linking element, where the first standard element includes a reference surface, while the second standard element includes a bearing surface which has to be positioned with precision in an orthonormal coordinate system associated with the aforementioned reference surface, given that the connection between the linking element and at least one of said standard elements (EB) includes: two contact faces provided on said linking element and said standard element (EB) respectively, a clamp composed of two half collars, held together by tightening means, and presenting shapes which interlock with the corresponding shapes of said linking element and of said standard element (EB) in such a way that the clamping of the two half collars causes the application and the centring of the two aforementioned contact faces against each other.

IPC 8 full level
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B25J 15/0061 (2013.01 - EP US); **F16L 21/065** (2013.01 - EP US); **F16L 23/10** (2013.01 - EP US); **E04B 1/585** (2013.01 - EP US); **E04B 2001/5868** (2013.01 - EP US); **Y10T 29/53435** (2015.01 - EP US)

Citation (search report)
See references of WO 2005075874A1

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FR 2864920 A1 20050715; **FR 2864920 B1 20060804**; EP 1704356 A1 20060927; US 2005150103 A1 20050714; US 7331104 B2 20080219; WO 2005075874 A1 20050818

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