

Title (en)

Robotic device for welding-on of crane's railways

Title (de)

Robotervorrichtung zum Anschweißen von Krangleisen

Title (fr)

Dispositif robotique pour soudage sur des chemins de rails de grues

Publication

**EP 2620546 A1 20130731 (EN)**

Application

**EP 12466002 A 20120126**

Priority

EP 12466002 A 20120126

Abstract (en)

Robotic device for resurfacing of crane runway rails by build-up welding, said device comprising traversing rollers a carrying structure for machinery, where the carrying structure is formed by the main beam (2) arranged on web plates (3) with traversing rollers (4), said main beam carrying the main slide (6) movably embedded therein along the longitudinal axis X thereof and provided by the sliding guide (12) on which the bracket (8) is arranged, which is movable along the vertical axis Y and provided with the lower guide on its bottom side, said lower guide carrying the transverse supporting bracket (13) arranged thereon, which is movable along the transversal axis Z, said transverse supporting bracket carrying the lower beam (17) arranged in a fixed position thereon and carrying the supporting frame (20) pivoted thereon by means of the load-bearing tube (32), said supporting frame integrating the measuring device (21), the grinding machine (18) and the welding head (27), the latter being both translationally guided in the front guideway (23) arranged on the face of the supporting frame (20) and pivoted on the swivelling holder (26) making it movable perpendicularly to the axis of the front guideway (23).

IPC 8 full level

**E01B 31/17** (2006.01); **B66C 17/00** (2006.01); **E01B 31/18** (2006.01)

CPC (source: EP)

**E01B 31/17** (2013.01); **E01B 31/18** (2013.01)

Citation (applicant)

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- WO 9404754 A1 19940303 - GOETEBORGS SPAARVAEGAR [SE], et al
- CZ 285480 B6 19990811 - ROBEL GEORG GMBH & CO [DE]
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Citation (search report)

- [A] EP 1400629 A2 20040324 - SCHERF WILFRIED [DE], et al
- [A] EP 0835712 A1 19980415 - SCHEUCHZER SA [CH]

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Designated extension state (EPC)

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