

Title (en)
CRANE FOR CONFINED SPACES AND BASE FOR INSTALLING SUCH CRANE ON CORRESPONDING TARGET SURFACES OF BUILDING STRUCTURES OR SIMILAR SUPPORTING STRUCTURES

Title (de)
KRAN FÜR BEENGTE RÄUME UND BASIS ZUR INSTALLATION EINES SOLCHEN KRANS AUF ENTSPRECHENDEN ZIELFLÄCHEN VON GEBÄUDESTRUKTUREN ODER ÄHNLICHEN TRAGSTRUKTUREN

Title (fr)
GRUE POUR ESPACES CONFINÉS ET BASE POUR L'INSTALLATION D'UNE TELLE GRUE SUR DES SURFACES CIBLÉES CORRESPONDANTES DE STRUCTURES DE CONSTRUCTION OU DE STRUCTURES DE SUPPORT SIMILAIRES

Publication
EP 4317045 A1 20240207 (EN)

Application
EP 23189705 A 20230804

Priority
IT 202200016905 A 20220805

Abstract (en)
The present invention relates to a crane (1) for confined spaces comprising: an installation base (2) having at least one fixing portion (3) arranged to be fixed on a target surface of a building structure or similar support structure, and at least one engagement seat (4) that runs predominantly transversely, preferably perpendicularly, with respect to a lying plane of the fixing portion (3); a support post (5) which runs along a prevailing direction and has a first end (5a) arranged to engage the at least one engagement seat (4) of the installation base (2) and a second end (5b) facing away from the first end (5a); a lifting arm (6) engaged to the support post (5), preferably at the second end (5b) of the support post (5), and having at least one cantilevered end (6a); optionally, at least one lifting device (7) removably attached to the support post (5) or to the lifting arm (6), provided with at least one cable (8) having a hook (8a) for hooking a load to be raised or lowered, the lifting device (7) comprising at least one winding mechanism (9) operable for lifting or lowering the hook (8a) and, consequently, the load associated therewith; wherein the installation base (2) additionally includes at least one auxiliary engagement seat (10) arranged to receive in engagement the support post (5) which develops transversely, optionally perpendicularly, with respect to the engagement seat (4), the first end (5a) of the support post (5) of the crane (1) being coupled to the engagement seat (4) or to the auxiliary engagement seat (10) depending on the orientation of the target surface. The engagement seat (4) allows engagement of the first end (5a) of the support post (5) of the crane (1) when the installation base (2) is fixed to a target surface of a building structure or similar horizontal support structure, while the auxiliary engagement seat (10) allows engagement of the first end (5a) of the support post (5) of the crane (1) when the installation base (2) is fixed to a vertical target surface.

IPC 8 full level
B66C 23/16 (2006.01); **B66C 23/20** (2006.01)

CPC (source: EP)
B66C 23/166 (2013.01); **B66C 23/202** (2013.01); **B66C 23/208** (2013.01)

Citation (applicant)
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Citation (search report)
• [A] US 2021053801 A1 20210225 - SCHRANK GREG E [US], et al
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US2022193470A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4317045 A1 20240207; IT 202200016905 A1 20240205

DOCDB simple family (application)
EP 23189705 A 20230804; IT 202200016905 A 20220805