

Title (en)

Device for handling bundles of profiles such as beams, I-beams, pipes and the like

Title (de)

Vorrichtung zum Hanhabung von Profilbündeln wie Balken, I-Träger, Rohre und dergleichen

Title (fr)

Dispositif pour la manipulation de paquets de profils tels que poutres, I-poutres, tuyaux et autres

Publication

EP 2277818 A1 20110126 (EN)

Application

EP 10170450 A 20100722

Priority

IT VR20090111 A 20090724

Abstract (en)

A handling device (1) comprising a supporting frame (2) which supports grip means (3) that can engage at least one body (5) to be moved and can move with respect to the supporting frame (2) along at least one handling direction; the grip means (3) comprise at least one lifting body (4), which has at least one anchoring element (6) that is adapted to pass on command between an engagement condition, in which it forms an access seat (7) for an engagement portion (8) of a respective lifting element supported by the body to be moved, and an active condition, in which the engagement portion (8) is accommodated stably at an engagement region (6c) formed by the anchoring element (6) in the active condition.

IPC 8 full level

B66C 1/22 (2006.01); **B66C 1/06** (2006.01); **B66C 1/34** (2006.01); **B66C 1/66** (2006.01)

CPC (source: EP)

B66C 1/06 (2013.01); **B66C 1/22** (2013.01); **B66C 1/34** (2013.01); **B66C 1/66** (2013.01)

Citation (search report)

- [XY] DE 29516996 U1 19960411 - AINEDTER DIETER [AT], et al
- [X] JP H01156298 A 19890619 - HITACHI HIGASHI SHOHIN ENG
- [X] JP H0848488 A 19960220 - DAIDO STEEL CO LTD
- [X] JP H05162974 A 19930629 - ISHIKAWAJIMA HARIMA HEAVY IND
- [X] US 2005242602 A1 20051103 - PROTESTO EDWARD R [US]
- [YA] JP H0738068 U 19950714
- [YA] JP H11246166 A 19990914 - MITSUBISHI MAT KENZAI CORP
- [A] JP S5294673 U 19770715

Cited by

CN111606202A; CN107010529A; DE202012103280U1; CN107043067A; RU189102U1; EP4008675A4; CN113896083A

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

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DOCDB simple family (application)

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