

Title (en)

System and method for handling metal bars

Title (de)

Verfahren und Vorrichtung zur Handhabung von Metallstäben

Title (fr)

Procédé et installation de manipulation de barres métalliques

Publication

EP 2412456 B1 20180103 (EN)

Application

EP 11175822 A 20110728

Priority

IT TO20100662 A 20100730

Abstract (en)

[origin: EP2412456A1] Described herein are a system and a method for the treatment of metal bars, in particular bars for the reinforcement of concrete, provided in which is at least one operating unit (1), such as, for example, a bending unit or a cutting unit. A device for picking up, separating, and transferring the bars automatically feeds a plurality of bars to the operating unit (1) picking them up in any desired predetermined number from a bundle of bars deposited in a magazine (M) and separating them from the remaining bars of the bundle. The bars are picked up, separated from the bundle, and transferred to the operating unit by displacing them substantially only in a direction (X) transverse with respect to their longitudinal direction.

IPC 8 full level

B21D 11/12 (2006.01); **B21D 43/00** (2006.01); **B21F 23/00** (2006.01)

CPC (source: EP)

B21D 11/12 (2013.01); **B21D 43/006** (2013.01); **B21F 23/005** (2013.01); **B21F 23/007** (2013.01)

Citation (examination)

- EP 1927412 A1 20080604 - WAFIOS AG [DE]
- JP 2002143931 A 20020521 - TOYO KENSETSU KOKI KK

Cited by

CN106272047A; CN106425837A; ITBO20120505A1; CN110392612A; RU2759553C2; AU2017385520B2; CN109570396A; IT202100016619A1; US11648603B2; WO2018122132A1; WO2017013052A1; WO2023137043A1; WO2014045239A1; WO2022269650A1; EP3562605B1

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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2412456 A1 20120201; **EP 2412456 B1 20180103**; IT 1401607 B1 20130726; IT TO20100662 A1 20120131

DOCDB simple family (application)

EP 11175822 A 20110728; IT TO20100662 A 20100730