

Title (en)

Plant for bending metal bars with automatic loading of the bars, and loading method used in said plant

Title (de)

Vorrichtung und Verfahren zum Biegen von Stäben mit automatischer Zuführung der Stäben

Title (fr)

Dispositif et procédé de cintrage de barres avec alimentation automatique des barres

Publication

EP 2374553 A1 20111012 (EN)

Application

EP 11160005 A 20110328

Priority

IT TO20100279 A 20100412

Abstract (en)

A plant for bending metal bars, in particular bars designed for reinforcing concrete, of the type comprising: - at least one bending unit (2) defining a bending plane and a space (8) for receiving a number of bars to be bent set parallel to one another and on top of one another in a plane orthogonal to the bending plane; and - means for transferring the bars from a magazine of bars, where the bars are set in a bundle right inside said receiving space on said at least one bending unit. The transfer means are designed to pick up a predetermined number of bars from the magazine (M) and feed them one after another into said receiving space (8), keeping them separate and at a distance apart from one another at least in a final step of their being conveyed into the receiving space so as to cause them to reach the receiving space in times that are close to one another but distinct.

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)

Citation (applicant)

- EP 0351915 B1 19930929
- DE 1101336 B 19610309 - ALFRED DOETTLINGER
- IT 1206893 B 19890511 - OSCAM SPA [IT]
- EP 1356875 A2 20031029 - SCHNELL SPA [IT]
- EP 1356876 A2 20031029 - SCHNELL SPA [IT]
- EP 1980341 A1 20081015 - OSCAM SPA [IT]
- EP 2172287 A1 20100407 - OSCAM SPA [IT]
- EP 1980341 B1 20100303 - OSCAM SPA [IT]

Citation (search report)

- [IY] EP 0564446 A1 19931006 - EVG ENTWICKLUNG VERWERT GES [AT]
- [IY] EP 0419441 A1 19910327 - EVG ENTWICKLUNG VERWERT GES [AT]
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- [IAY] EP 0648577 A1 19950419 - OSCAM SPA [IT]
- [IAY] EP 0835702 A1 19980415 - OSCAM SPA [IT]
- [AD] IT 1206893 B 19890511 - OSCAM SPA [IT]
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- [YA] EP 1356876 A2 20031029 - SCHNELL SPA [IT]
- [AD] EP 1356875 A2 20031029 - SCHNELL SPA [IT]

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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

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