

Title (en)

Apparatus for shaping bars, particularly bars of reinforced concrete

Title (de)

Vorrichtung zum Verarbeiten von Stangen insbesondere Stangen für Stahlbeton

Title (fr)

Appareil pour le façonnage de barres en particulier des barres pour beton armé

Publication

EP 0648577 B1 19970326 (EN)

Application

EP 94830485 A 19941013

Priority

IT TO930774 A 19931019

Abstract (en)

[origin: EP0648577A1] An apparatus for shaping bars of reinforced concrete (3) comprises means for automatically loading the bars (19) adapted to pick up the bars (3) to be shaped from support slots (12a, 13a, 14a) and to unload them on two automated bending machines (4). <IMAGE>

IPC 1-7

B25B 1/00; **B21D 43/00**; **B21D 11/12**

IPC 8 full level

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

CPC (source: EP)

B21D 11/12 (2013.01); **B21D 43/006** (2013.01)

Cited by

WO2014045239A1; CN111872182A; EP2374553A1; ITTO20100279A1; SG99308A1; AU778830B2; EP0835702A1; JP2011235329A; EP1184099A1; ITBO20120505A1; CN114514079A; ITTO20120083A1; EP2623227A1; ITBO20130159A1; WO0191936A1; US11712728B2; WO2021068044A1

Designated contracting state (EPC)

DE ES FR

DOCDB simple family (publication)

EP 0648577 A1 19950419; **EP 0648577 B1 19970326**; DE 69402284 D1 19970430; DE 69402284 T2 19971009; ES 2101477 T3 19970701; IT 1260998 B 19960429; IT TO930774 A0 19931019; IT TO930774 A1 19950419

DOCDB simple family (application)

EP 94830485 A 19941013; DE 69402284 T 19941013; ES 94830485 T 19941013; IT TO930774 A 19931019