

Title (en)

Introduction assembly for reinforcement rods for drilling machine

Title (de)

Vorrichtung zum Einführen von Bewehrungsstäben für eine Bohrmaschine

Title (fr)

Ensemble d'introduction des barres d'armature pour les machines de forage

Publication

**EP 1167683 A1 20020102 (EN)**

Application

**EP 01114640 A 20010619**

Priority

IT UD20000127 A 20000621

Abstract (en)

Introduction assembly (10) for reinforcement rods (39) for drilling machines (20) having at least a drilling assembly (30) able to make a plurality of holes inside which said reinforcement rods (39) are inserted, said introduction assembly (10) comprising at least a guide beam or mast (28) for said reinforcement rods (39), normally arranged on one side of said drilling assembly (30), said mast (28) being able to assume at least a working configuration and a movement configuration wherein it is able to move from one side of said drilling assembly (30) to the other. <IMAGE>

IPC 1-7

**E21B 15/04**; **E21D 20/00**; **E21B 19/00**; **E21B 7/02**; **E21B 15/00**; **E21D 9/10**

IPC 8 full level

**E21B 7/02** (2006.01); **E21B 15/04** (2006.01); **E21B 19/00** (2006.01); **E21D 9/10** (2006.01); **E21D 20/00** (2006.01)

CPC (source: EP KR)

**E21B 19/00** (2013.01 - EP); **E21D 9/10** (2013.01 - EP); **E21D 9/1013** (2013.01 - KR); **E21D 20/003** (2013.01 - EP); **E21B 7/046** (2013.01 - KR)

Citation (search report)

- [A] EP 0424779 A1 19910502 - CASAGRANDE SPA [IT]
- [A] EP 0424768 A1 19910502 - CASAGRANDE SPA [IT]
- [A] US 4785892 A 19881122 - LUEN LAM M [SG]
- [A] US 3295800 A 19670103 - KARL-ERIK QVARNSTROM, et al
- [A] FR 1325564 A 19630426 - ATLAS COPCO AB
- [A] FR 2711178 A1 19950421 - BOUYGUES SA [FR]
- [A] EP 0424733 A1 19910502 - CASAGRANDE SPA [IT]
- [A] DE 2836659 A1 19800306 - EBELING WOLFGANG DIPL ING

Cited by

CN103277045A; EP3536892A1; IT201800001640A1; EP3951129A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1167683 A1 20020102**; IT 1315098 B1 20030203; IT UD20000127 A0 20000621; IT UD20000127 A1 20011221; KR 20010114179 A 20011229

DOCDB simple family (application)

**EP 01114640 A 20010619**; IT UD20000127 A 20000621; KR 20010035361 A 20010621