

Title (en)

DEVICE FOR WITHDRAWING AND INSERTING A STARTER BAR IN A CONTINUOUS CASTING PLANT

Publication

EP 0029820 B1 19831026 (DE)

Application

EP 80890128 A 19801027

Priority

AT 731879 A 19791116

Abstract (en)

[origin: EP0029820A1] 1. An arrangement for extracting and introducing a flexible starter bar (26) provided with a starter bar head (29), out of and into an arcuate strand guide (2, 3, 7, 8) of a continuous casting plant, comprising a transporting means designed as a displaceable car (32) to introduce the foot end (46) of the starter bar into the mould (1) or into an opening of the strand guide below the mould (1), wherein a carrying means (36) accommodating the starter bar is arranged on the car (32) and pivotable from a vertical position (C) into a horizontal position (D), characterized in that - a cage (18) that is rotatable about a horizontal axis (19) by about 180 degrees and includes a slide or roller way (17) is provided on a starter bar guide that branches off the strand guide by means of a rockershaped shunt (12) and includes a slide or roller way (16), and - the carrying means (36) is provided with a lifting means (41, 42, 43) on the upper end (40) in the vertical position (C).

IPC 1-7

B22D 11/08

IPC 8 full level

B22D 11/08 (2006.01)

CPC (source: EP)

B22D 11/085 (2013.01)

Citation (examination)

EP 0017645 A1 19801015 - VOEST ALPINE AG [AT]

Cited by

US4660616A; WO2012110487A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0029820 A1 19810603; EP 0029820 B1 19831026; AT 363212 B 19810727; AT A731879 A 19801215; BR 8007398 A 19810526; CA 1157225 A 19831122; DE 3065429 D1 19831201; ES 496561 A0 19811216; ES 8201454 A1 19811216; JP S5695459 A 19810801

DOCDB simple family (application)

EP 80890128 A 19801027; AT 731879 A 19791116; BR 8007398 A 19801113; CA 363279 A 19801027; DE 3065429 T 19801027; ES 496561 A 19801104; JP 15969180 A 19801114