

Title (en)

A METHOD OF MANUFACTURING CONSECUTIVE CONCRETE ELEMENTS IN A LONG MOULD BED, AND A RAIL-BOUND CARRIAGE FOR MOULD-STRIPPING

Publication

EP 0055708 B1 19840815 (EN)

Application

EP 81900724 A 19810313

Priority

SE 8002029 A 19800314

Abstract (en)

[origin: WO8102702A1] When casting consecutive concrete elements, e.g. concrete sleepers, there is used an elongate mould bed comprising a plurality of mutually adjacent vertically movable moulds. Mould-stripping, removal of cast concrete elements, cleansing of the mould and the preparation for a further casting operation are effected with the aid of carriages arranged for movement along the mould bed on rails. The carriage for successively stripping the moulds is provided with horizontally extending cylinders (14) arranged to withdraw the mould holders (15) of the mould (16) and spring-loaded down-pressing rods (13) arranged to press the mould downwardly against vertically movable mould holder elements (5) arranged to be swung in beneath the mould. The mould is then cleaned with the use of a separate carriage having a plurality of vertically movable scraper plates (78) arranged to engage the sides of the mould, and a plurality of blow nozzles (67) arranged to deliver a jet of air at high pressure. The separate insert elements which are to be cast in the concrete element may comprise rubber plates (59) or the like carried in cassettes (47) provided with an outfeed mechanism and arranged on the further carriage, which also has separate means (52) for firmly pressing the plates inserted in the mould and sealing the mould.

IPC 1-7

B28B 5/00

IPC 8 full level

B28B 1/14 (2006.01); **B28B 5/00** (2006.01); **B28B 7/10** (2006.01); **B28B 7/38** (2006.01); **B28B 13/06** (2006.01); **B28B 17/00** (2006.01)

CPC (source: EP)

B08B 5/02 (2013.01); **B08B 9/00** (2013.01); **B28B 7/386** (2013.01); **B28B 13/06** (2013.01); **B28B 17/00** (2013.01)

Cited by

CN107053451A; EP4059682A1; IT202100006473A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

WO 8102702 A1 19811001; BR 8108738 A 19820622; CA 1164190 A 19840327; CA 1165984 A 19840424; DE 3165490 D1 19840920; EP 0051065 A1 19820512; EP 0055708 A1 19820714; EP 0055708 B1 19840815; JP S57500278 A 19820218; NO 149461 B 19840116; NO 149461 C 19840425; NO 813813 L 19811111; SE 422543 B 19820315; SE 8002029 L 19810915; WO 8102701 A1 19811001; ZA 811453 B 19820428; ZA 811457 B 19820428

DOCDB simple family (application)

SE 8100085 W 19810313; BR 8108738 A 19810313; CA 372921 A 19810313; CA 372929 A 19810313; DE 3165490 T 19810313; EP 81900723 A 19810313; EP 81900724 A 19810313; JP 50098081 A 19810313; NO 813813 A 19811111; SE 8002029 A 19800314; SE 8100084 W 19810313; ZA 811453 A 19810304; ZA 811457 A 19810304