

Title (en)

Method and equipment for automatic production of reinforcing steels for concrete elements.

Title (de)

Verfahren und Vorrichtung zur automatischen Herstellung von Bewehrungsstahl für Betonelemente.

Title (fr)

Procédé et dispositif pour la fabrication automatique de renforcements en acier pour des éléments en béton.

Publication

EP 0482842 A1 19920429 (EN)

Application

EP 91309653 A 19911018

Priority

FI 905267 A 19901025

Abstract (en)

A method and an equipment for automatic production of reinforcements for concrete elements. In the method, a reinforcing steel (18) is cut into portions (9a, 9b) such that an empty space is left within the area of an opening designed in the finished concrete element. The reinforcing steel portions (9a, 9b) to be positioned in line with each other are displaced in place simultaneously with a mutual spacing corresponding to the opening. The equipment comprises dimensioning means for automatically cutting the reinforcing steel so that the reinforcing steel is positioned only outside an opening designed in the concrete element, and displacing means (8, 11) for displacing reinforcing steel portions (9a, 9b) to be positioned at a certain point simultaneously in place. <IMAGE>

IPC 1-7

B21F 27/10; B21F 27/12

IPC 8 full level

B21F 27/10 (2006.01); **B21F 27/20** (2006.01)

CPC (source: EP)

B21F 11/00 (2013.01); **B21F 27/10** (2013.01); **B21F 27/20** (2013.01)

Citation (search report)

- [Y] EP 0125716 A1 19841121 - DECOUX PIERRE
- [A] FR 1215087 A 19600413
- [AD] US 3405743 A 19681015 - ROBINSON CHARLES V
- [Y] WELDING AND METAL FABRICATION vol. 49, no. 2, March 1981, SUSSEX GB pages 77 - 79; D. A. BOWMAN: 'MESH WELDING AT HIGH RATES AND TO NON-STANDARD PATTERNS'

Cited by

EP0733416A1; FR2731247A1; CN108405767A; EP3715009A1; AT524506A1; AT17865U1; EP0951955A3; ITBO20100758A1; EP2433724A1; ITUD20100173A1; EP2740559A1; WO9627462A1; WO2021209304A1; WO9506532A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0482842 A1 19920429; EP 0482842 B1 19960110; AT E132779 T1 19960115; DE 69116304 D1 19960222; DE 69116304 T2 19960627; FI 85957 B 19920313; FI 85957 C 19920625; FI 905267 A0 19901025; FI 905267 A 19920313

DOCDB simple family (application)

EP 91309653 A 19911018; AT 91309653 T 19911018; DE 69116304 T 19911018; FI 905267 A 19901025