

Title (en)

Metal reinforcement for the reinforcement of concrete structures, and process and device for making the same.

Title (de)

Armierung für die Bewehrung von Stahlbetonkonstruktionen, und Verfahren und Vorrichtung für die Herstellung dieser Armierung.

Title (fr)

Armature pour le renforcement de structures en béton et procédé et dispositif de fabrication de cette armature.

Publication

EP 0621380 A1 19941026 (FR)

Application

EP 94400821 A 19940414

Priority

FR 9304647 A 19930420

Abstract (en)

The subject of the invention is a reinforcement member comprising a steel strip (10) which can be reeled up and intended to be incorporated in the concrete. The faces of the steel strip each comprise substantially straight ribs (12) arranged in at least one longitudinal row (R), these ribs being substantially parallel to each other and inclined with respect to the longitudinal direction of the strip. The ribs (12) of one of the faces of the strip are symmetrical with the ribs (12) of the other of the faces of the strip with respect to the mid-plane of the strip parallel to the faces of this strip. The subject of the invention is also a process and a device for manufacturing this reinforcement. <IMAGE>

Abstract (fr)

L'invention a pour objet une armature comprenant un ruban en acier (10) bobinable destiné à être incorporé dans le béton. Les faces du ruban en acier comprennent chacune des nervures (12) sensiblement rectilignes disposées suivant au moins une rangée (R) longitudinale en étant sensiblement parallèles entre elles et inclinées par rapport à la direction longitudinale du ruban. Les nervures (12) d'une des faces du ruban sont symétriques aux nervures (12) de l'autre des faces du ruban par rapport au plan médian du ruban parallèle aux faces de ce ruban. L'invention a également pour objet un procédé et un dispositif de fabrication de cette armature. <IMAGE>

IPC 1-7

E04C 5/03; **B21H 8/00**

IPC 8 full level

E01C 11/16 (2006.01); **B21D 22/02** (2006.01); **B21D 22/08** (2006.01); **B21D 31/00** (2006.01); **E01F 8/00** (2006.01); **E04C 5/03** (2006.01)

CPC (source: EP US)

E01F 8/0023 (2013.01 - EP US); **E04C 5/03** (2013.01 - EP US)

Citation (search report)

- [XAY] FR 2325778 A1 19770422 - VIDAL HENRI [FR]
- [YA] US 3214877 A 19651102 - AKIN WILLIAM M
- [DYDA] FR 2579651 A1 19861003 - FICAL FILS CABLES ACIER LENS [FR]
- [Y] DE 803675 C 19510409 - WOLFER & GOEBEL
- [A] FR 379741 A
- [A] DE 248749 C 19120629
- [Y] US 1821696 A 19310901 - EDGE WALTER S
- [A] US 1528392 A 19250303 - GEORGE BAEHR
- [A] US 4732082 A 19880322 - IRETON CARL [US]
- [A] US 3746071 A 19730717 - SCHEY J
- [A] GB 603098 A 19480609 - FRANK PROX COMPANY INC
- [A] GB 2135613 A 19840905 - FERROSIDER SPA
- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 128 (M - 220) 3 June 1983 (1983-06-03)

Cited by

EP2850259B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0621380 A1 19941026; **EP 0621380 B1 19970827**; AT E157420 T1 19970915; AU 5949594 A 19941027; AU 676885 B2 19970327; CA 2121656 A1 19941021; DE 69405144 D1 19971002; FI 101731 B1 19980814; FI 101731 B 19980814; FI 941807 A0 19940419; FI 941807 A 19941021; FR 2704255 A1 19941028; FR 2704255 B1 19950713; JP 2882749 B2 19990412; JP H0790984 A 19950404; NO 312305 B1 20020422; NO 941399 D0 19940418; NO 941399 L 19941021; US 5613340 A 19970325; US 5809819 A 19980922; ZA 942673 B 19951019

DOCDB simple family (application)

EP 94400821 A 19940414; AT 94400821 T 19940414; AU 5949594 A 19940415; CA 2121656 A 19940419; DE 69405144 T 19940414; FI 941807 A 19940419; FR 9304647 A 19930420; JP 8203494 A 19940420; NO 941399 A 19940418; US 22967994 A 19940419; US 75647696 A 19961126; ZA 942673 A 19940419