

Title (en)

A bar/wire/metal profile stratum separator apparatus particularly for bar/metal profile bundling, downwards of rolling plants.

Title (de)

Vorrichtung zum Bündeln von Profilstählen nach dem Passieren der Walzmaschine.

Title (fr)

Appareil séparateur de couches de barres, câbles, profilés métalliques adapté à la mise en botte de barre ou profilés métalliques en aval d'un laminoir.

Publication

EP 0403745 A1 19901227 (EN)

Application

EP 90106727 A 19900407

Priority

IT 8343689 A 19890622

Abstract (en)

A bar/wire/metal-profile stratum separator apparatus particularly for bar/wire/metal-profile bundling, downwards of rolling plants, characterized in that it includes in association with a support plane for bar/wire/metal-profile stratum, having transverse transfer advancement means (5): - first lockage opposite means (2-3), to clamp not strongly, the bar/wire/metal-profile stratum, obliging the bars/wires/profiles, to assume a flatten position in the respective stratum and dispose parallel lying and adhering on said support transfer plane (5) in which at least one of opposite pressing means is movable alternately on the horizontal plane (2) transversely in respect to the bars (b); - second transversely movable means, presence bar/wire/metal-profile detectors and respective bar/wire/metal-profile layer count means (4), preferentially placed above the bar/wire/metal-profile stratum (b) and adjacent to said first lockage means (2-3); - third movable means, movable transversely respect to said bar/wire/metal-profile stratum and under this (8, 8 min) involving penetrating separator means (6-7), penetrating between the bar/wire/metal-profile stratum (b) for separation of the stratum in two bar/wire/metal-profile stratum.

IPC 1-7

B65B 27/10; **B65B 57/20**; **B65B 65/08**

IPC 8 full level

B65B 27/10 (2006.01); **B65B 57/20** (2006.01); **B65B 65/08** (2006.01)

CPC (source: EP)

B65B 27/10 (2013.01); **B65B 57/20** (2013.01); **B65B 65/08** (2013.01)

Citation (search report)

- [A] US 3871288 A 19750318 - WHITE FRANK F
- [A] FR 1367018 A 19640717 - MINNESOTA MINING & MFG

Cited by

CN109178417A; CN102424156A; CN109093339A; CN111375697A

Designated contracting state (EPC)

BE DE ES FR GB

DOCDB simple family (publication)

EP 0403745 A1 19901227; **EP 0403745 B1 19930901**; DE 69003020 D1 19931007; IT 1235104 B 19920618; IT 8983436 A0 19890622

DOCDB simple family (application)

EP 90106727 A 19900407; DE 69003020 T 19900407; IT 8343689 A 19890622