

Title (en)

AUXILIARY COOLING SYSTEM WITH BLOWN AIR FOR COILS OF HOT-ROLLED METALLIC WIRE, AND DEVICE TO CARRY OUT SAID SYSTEM

Publication

EP 0060227 A3 19821117 (EN)

Application

EP 82830030 A 19820211

Priority

IT 8334081 A 19810309

Abstract (en)

[origin: EP0060227A2] Cooling system with blown air for coils of hot-rolled metallic wire (11) borne on a cooling roller conveyor (12), said system being characterized by directing an additional stream of air towards the zones of greatest accumulation of the material near the edges of said roller conveyor (12), whereby said blowing of air is coordinated with the main blowing of cooling air from under said roller conveyor (12) and can be regulated as regards its strength and its orientation towards the zones of interest, and whereby the relative means to carry out said system consist of: - at least one tubular conduit means (18) disposed lengthwise along said cooling roller conveyor (12) and connected to means delivering compressed air (20), - a plurality of blower means (19-25), and - anchorage means (21) for the conduit means (18), whereby said anchorage means (21) enable the orientation of the stream of air towards the coils in the zones of interest to be regulated.

IPC 1-7

B21B 45/02; **B21B 43/00**; **B21C 47/26**; **C21D 9/52**

IPC 8 full level

B21C 47/26 (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP)

B21C 47/262 (2013.01); **C21D 9/5732** (2013.01)

Citation (search report)

- [X] AT 321232 B 19750325 - SUMITOMO METAL IND [JP]
- [A] AT 302391 B 19721010 - MORGAN CONSTRUCTION CO [US]
- [A] DE 1602081 B1 19700527 - HUETTENWERK OBERHAUSEN AG
- [A] US 4023392 A 19770517 - FUJITA TATSU, et al
- [A] DRAHT-WELT, Vol. 57, No. 11, november 1971, Duesseldorf. H. KOSMIDER et al: "Vergleichende Untersuchungen zur Patentierung von Stahldraht aus der Walzhitze", pages 548 to 558

Cited by

DE10107566B4; EP0143488A3; EP1151810A1; DE102005018145B3; EP1228820A3; FR2677904A1; CN109161834A; US6473991B2

Designated contracting state (EPC)

CH DE FR GB

DOCDB simple family (publication)

EP 0060227 A2 19820915; **EP 0060227 A3 19821117**; DD 202402 A5 19830914; IT 1146762 B 19861119; IT 8183340 A0 19810309; NO 820725 L 19820910

DOCDB simple family (application)

EP 82830030 A 19820211; DD 23799882 A 19820309; IT 8334081 A 19810309; NO 820725 A 19820308