

Title (en)

METHOD AND APPARATUS FOR CUTTING THE LEADING TURNS AND/OR THE TRAILING TURNS OF A WIRE COIL

Publication

EP 0394672 A3 19910724 (DE)

Application

EP 90105413 A 19900322

Priority

- DE 3913695 A 19890426
- DE 3919836 A 19890617

Abstract (en)

[origin: EP0394672A2] Method for cutting the leading turns and/or trailing turns of a wire coil in the course of spreading out rolling stock to be coiled, after the finishing group of a wire rolling mill to which a loop layer for the wire, a roller table, a main conveyor and a coil-accumulating mandrel are directly or indirectly connected. The wire is spread out in loops on the roller table. The loops are transferred to the main conveyor. Upon emergence from the loop layer of the leading turns and/or the trailing turns of a wire coil to be formed, the roller table is driven at a roller-table speed which is greater than the main-conveyor speed. As a result, the loops are deposited on the roller table with a cutting spread which is larger than the processing spread. The roller table is switched over to the main-conveyor speed as soon as or before the first of the loops laid out with a cutting spread reaches the main conveyor and the loops laid out with a cutting spread are transferred to the main conveyor. Cutting is carried out on the main conveyor in the region of the cutting spread of the loops while the subsequent loops are once more laid out on the roller table with the processing spread.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] GB 1246049 A 19710915 - TEMPLEBOROUGH ROLLING MILLS LT
- [A] US 3103237 A 19630910 - JEFFERSON CRUM EBEN
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 111 (M-578)(2558) 08 April 1987, & JP-A-61 255717 (MITSUBISHI ELECTRIC CORP) 13 November 1986,
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 83 (M-677)(2930) 16 März 1988, & JP-A-62 224437 (KOBE STEEL LTD) 02 Oktober 1987,

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