

## Title (en)

Positioning device for feeding coils, particularly of metal strip, on a un-coiler.

## Title (de)

Positioniervorrichtung für auf eine Haspeltrommel aufzu- steckende Bunde, insbesondere aus Metallband.

## Title (fr)

Dispositif de positionnement pour mettre des bobines, en particulier de bande métallique, sur un mandrin de dévidage.

## Publication

**EP 0487907 A1 19920603 (DE)**

## Application

**EP 91118308 A 19911028**

## Priority

DE 4037671 A 19901127

## Abstract (en)

[origin: JPH04268408A] PURPOSE: To accurately position a coil by controlling regulating means for vertical, lateral directions and relative rotation of the coil mounted at a raising truck by a controller based on the measured value of the profile at the inside of the coil and reeling drum to be fed. CONSTITUTION: The apparatus for positioning a coil loads the coil 1 on the support element 5 of raising truck 3 at the left receiving position, rotates the measuring head 13 of a measuring unit 12 suspended by an arm member 11 at 360 degrees, measures the profile at the inside of the coil, and transmits it to a controller. In this case, a tongue part 14 is displayed on a profile graph. The central vertical lines of the coil 1 and a reeling drum 2 are matched by using the lateral regulating member of the element 5, the element 5 is lowered, the coil 1 is rotated by rollers 6, 7, and a tongue part 14 is matched to the recess of the drum 2. Then, the truck 3 is moved to the left side feeding position on rails, the element 5 is raised, horizontally matched by using the vertical regulating member, and then the positioning is finished.

## Abstract (de)

Die Erfindung bezieht sich auf eine Positioniervorrichtung für auf eine Haspeltrommel aufzusteckende Bunde, insbesondere aus Metallband. Zur allseitigen Erfassung des inneren Durchmessers des Bundes 1 und seiner Höhen- und Seitenlage in bezug auf die Haspeltrommel 2 werden die Innenkontur des Bundes 1 mit einem 360<math>\circ</math> messenden Meßkopf 13 festgestellt und in Abhängigkeit von den zu erhaltenden Meßwerten durch Vergleich mit den entsprechenden Meßwerten für die Haspeltrommel 2 Stellglieder für die Höhenverstellung eines Hubwagens 3 für den Bund 1 und/oder die Seitenversetzung und/oder die relative Verdrehung zwischen dem Bund 1 und der Haspeltrommel 2 beaufschlagt. <IMAGE>

## IPC 1-7

**B21C 47/24**; **B65H 19/12**

## IPC 8 full level

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## Citation (search report)

- [A] DE 8501277 U1 19881117
- [A] WO 8908598 A1 19890921 - CAMS SRL [IT]
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 73 (M-674)(2920) 8. März 1988 & JP-A-62 215 451 ( YASKAWA ELECTRIC MFG CO LTD ) 22. September 1987
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 164 (M-698)(3011) 18. Mai 1988 & JP-A-62 280 151 ( MITSUBISHI HEAVY IND. LTD. ) 5. Dezember 1987

## Cited by

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## DOCDB simple family (application)

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