

Title (en)

DEVICE FOR DETECTING LEADING END AND REMAINING AMOUNT OF STRIP-LIKE MATERIAL UNROLLED FROM ROLL

Publication

**EP 0395023 A3 19910605 (EN)**

Application

**EP 90107880 A 19900425**

Priority

JP 10462589 A 19890426

Abstract (en)

[origin: EP0395023A2] A device for detecting the leading end and the remaining amount of a strip-like material (A) unrolled from a roll (R) is disclosed. This device includes a swing arm (5). A roller carrier (7) is pivotally mounted on the distal end portion of the swing arm (5). Two contact rollers (8) and a sensor (9) are arranged on the roller carrier (7). The contact rollers (8) of the roller carrier are brought into rolling contact with the peripheral surface of the roll. When the strip-like material is unrolled from the roll and the diameter of the roll is changed, the swing arm (5) swings so that the roller carrier (7) follows the change in diameter. Therefore, the sensor (9) is always adjacent to the peripheral surface of the roll (R), and can reliably detect an object to be detected (C) of the strip-like material (A) of the roll.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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