

Title (en)

CYLINDRICAL DEVICE FOR OPTICAL QUALITY CONTROL OF A STRIP-LIKE MATERIAL

Title (de)

ZYLINDERFÖRMIGE VORRICHTUNG ZUR OPTISCHEN QUALITÄTSKONTROLLE EINES BANDFÖRMIGEN MATERIALS

Title (fr)

DISPOSITIF CYLINDRIQUE POUR LE CONTROLE OPTIQUE DE LA QUALITE D'UN MATERIAU EN FORME DE BANDE

Publication

EP 0824686 A1 19980225 (DE)

Application

EP 96913446 A 19960501

Priority

- DE 9600752 W 19960501
- DE 19515373 A 19950502

Abstract (en)

[origin: DE19515373A1] The proposal is for a device for sensing radiation directed from a radiation source (7) on a travelling strip-like sample and radiation reflected from or transmitted through the sample with a rotary cylindrical roller (1) having at least one radiation-transparent sensing point (5, 6) at the periphery (4) of the roller (1), a central radiation-transparent decoupling point (20) at one end and a central radiation-transparent coupling point (13) at the other end. Inside the roller (1), there are light guides (11, 14, 15, 18, 19) to guide the radiation from the coupling point (13) to the sensing point(s) (5, 6) and from there to the decoupling point (20). It is possible with this device to guide the primary radiation used towards the sample and the radiation from the sample to be analysed to an evaluation unit, for example for the spectroscopic quality control of travelling web-like samples, especially for paper and textile webs.

IPC 1-7

G01N 21/89

IPC 8 full level

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CPC (source: EP US)

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