

Title (en)

Device for measuring the thickness of printed products in a shingled formation.

Title (de)

Dickenmessung an Druckprodukten in einem Schuppenstrom.

Title (fr)

Dispositif pour mesurer l'épaisseur de produits imprimés en formation d'écailles de poisson.

Publication

**EP 0479717 B1 19950322 (DE)**

Application

**EP 91810672 A 19910822**

Priority

CH 323190 A 19901005

Abstract (en)

[origin: EP0479717A1] In a shingled formation, in particular in a compact shingled formation (S.4) of flat objects, for example printed products, the thickness of each individual element is measured between a deflectable measuring part and a reference part, in that, in a cycled movement for each measurement, the reference part grips below the part of the shingle forming the surface of the shingled formation. In the preferred embodiment of the device, the reference part is constructed as an impeller wheel (22) which is arranged at the side of the shingled formation (S.4) in such a way that its vanes (22.1/2/3/4) are pushed between the shingle lying at the surface and the rest of the shingled formation when the impeller wheel (22) is rotated about its axle (23). The deflectable measuring part is constructed as a scanning roll (21) which is pressed by a spring force into an adjustable zero position. The deflection of the scanning roll (21) is measured and called up in cycles. The cycle of the movement of the reference part and the cycle of the call-up of the measured value are synchronised and coordinated with the speed of the shingled formation and the mutual spacing of the elements of the shingled formation. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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