

Title (en)

DEVICE AND METHOD FOR THE NON-DESTRUCTIVE CONTROL OF METAL PROFILES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ZERSTÖRUNGSFREIEN STEUERUNG VON METALLPROFILIEN

Title (fr)

DISPOSITIF ET PROCEDE DE CONTROLE NON DESTRUCTIF DE PROFILES METALLIQUES

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Application

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Abstract (en)

[origin: WO2014096700A1] The invention relates to a device and a method for the non-destructive control of metal profiles. A device for controlling metallurgical products of this type comprises an ultrasonic sensor comprising a plurality of elementary transducers (29) operable independently of each other and distributed according to a two-dimensional pattern. A first electronic component (27) can excite each of the elementary transducers according to at least one temporal law corresponding to a shot of ultrasonic waves in a targeted direction. A second electronic element (31) can process at least some of the signals captured by each of the elementary transducers. Each temporal law is arranged in such a way that the corresponding shot produces a beam of ultrasonic waves generally diverging around the targeted direction, moving away from the ultrasonic sensor. The invention also relates to the corresponding control method.

IPC 8 full level

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