

Title (en)

SENSOR DEVICE AND METHOD FOR CHARACTERIZING METAL CHIPS

Title (de)

SENSOREINRICHTUNG UND VERFAHREN ZUR CHARAKTERISIERUNG EINES METALLSPANS

Title (fr)

DISPOSITIF DE DÉTECTION ET PROCÉDÉ DE CARACTÉRISATION D'UN COPEAU DE MÉTAL

Publication

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Application

**EP 22736286 A 20220701**

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Abstract (en)

[origin: WO2023275372A1] The invention relates to a sensor device for characterizing chips (14, 15), comprising a chip analysis region (110), said chip analysis region being a spatial region; a signal generator (200) comprising at least one transmission coil (210), said signal generator being designed to generate an electric excitation signal (220) and couple same into the chip analysis region in the form of a magnetic signal (230) using the transmission coil (210); and a chip classifier (300) comprising at least one receiver coil (310), wherein the chip classifier is designed to receive a chip signal from the chip analysis region using the receiver coil, and the chip signal is a magnetization signal that is excited by the excitation signal and is generated by at least one chip to be classified. The invention additionally relates to a method for characterizing a chip using a sensor device which has at least one signal generator and a chip classifier.

IPC 8 full level

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