

Title (en)

EDDY CURRENT SENSOR AND TUBE TESTING EQUIPMENT COMPRISING SAME

Title (de)

WIRBELSTROMSENSOR UND ROHRKONTROLLVORRICHTUNG MIT MINDESTENS EINEM SOLCHEN WIRBELSTROMSENSOR

Title (fr)

CAPTEUR A COURANTS DE FOUCAULT ET OUTILLAGE DE CONTROLE DE TUBE COMPORTANT AU MOINS UN TEL CAPTEUR

Publication

**EP 0815441 A1 19980107 (FR)**

Application

**EP 97901658 A 19970123**

Priority

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Abstract (en)

[origin: WO9727476A1] An eddy current sensor (22a) including two transmitter windings (26) and a receiver winding (28) is provided for non-destructively testing an electrically conductive part (T). The three windings are arranged symmetrically relative to a reference plane (P1) extending perpendicularly to the surface of the part (T). The receiver winding (28) is positioned between the active portions (26a) of the transmitter windings (26) and perpendicular to the plane (P1), whereas the transmitter windings (26) are substantially parallel thereto. The coils and connections of the transmitter windings are such that no current flows through the receiver winding in the absence of a defect. Equipment for testing a tube (T) such as a steam generator tube includes two sensors at right angles to one another.

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