

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

- FR 9700133 W 19970123
- FR 9600790 A 19960124

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.

IPC 1-7

G01N 27/90

IPC 8 full level

G01N 27/90 (2006.01)

CPC (source: EP US)

G01N 27/9013 (2013.01 - EP US)

Citation (search report)

See references of WO 9727476A1

Designated contracting state (EPC)

BE CH DE DK ES GB IT LI NL SE

DOCDB simple family (publication)

WO 9727476 A1 19970731; CA 2214773 A1 19970731; EP 0815441 A1 19980107; FR 2743890 A1 19970725; FR 2743890 B1 19980403; JP H11502938 A 19990309; US 5914595 A 19990622

DOCDB simple family (application)

FR 9700133 W 19970123; CA 2214773 A 19970123; EP 97901658 A 19970123; FR 9600790 A 19960124; JP 52660897 A 19970123; US 91389497 A 19970917