

Title (en)

ACOUSTIC SENSOR FOR MEASURING A LINEAR MOVEMENT OF AN INTERNAL STRUCTURE OF A NUCLEAR REACTOR

Title (de)

AKUSTISCHER SENSOR ZUR MESSUNG EINER LINEAREN BEWEGUNG DER INNEREN STRUKTUR EINES KERNREAKTORS

Title (fr)

CAPTEUR ACOUSTIQUE POUR LA MESURE D'UN DEPLACEMENT LINEAIRE D'UNE STRUCTURE INTERNE D'UN RÉACTEUR NUCLÉAIRE

Publication

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Application

EP 12795444 A 20121205

Priority

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- EP 2012074440 W 20121205

Abstract (en)

[origin: WO2013083603A1] The present invention relates to an acoustic sensor (10) for measuring the linear movement of an internal structure (20) of a nuclear reactor using sound waves, comprising: an electro-acoustic transducer (14) capable of emitting said sound waves; and a waveguide (5) capable of guiding said sound waves emitted by said transducer (14) toward a measurement area of the internal structure (20), wherein said acoustic sensor (10) is characterized in that said waveguide (5) is capable of guiding the reflected wave and said waveguide (5) is secured to said measurement area (20) and arranged so as to be capable of extending or retracting in accordance with the movement of said internal structure (20) of the nuclear reactor.

IPC 8 full level

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DOCDB simple family (publication)

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