

Title (en)

DEVICE FOR MEASURING EXCHANGES OF AMOUNTS OF HEAT IN NON-STATIONARY OPERATING CONDITIONS

Title (de)

MESSVORRICHTUNG DES WÄRMEAUSTAUSCHS IN NICHT STATIONÄREM BETRIEB

Title (fr)

DISPOSITIF POUR LA MESURE DES ECHANGES DE QUANTITES DE CHALEUR EN REGIME NON STATIONNAIRE

Publication

**EP 1317661 A1 20030611 (FR)**

Application

**EP 01962524 A 20010905**

Priority

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- FR 0011527 A 20000911

Abstract (en)

[origin: WO0223144A1] The invention concerns a device (10) for measuring exchanges of amounts of heat in non-stationary operational conditions comprising an elongated housing (11) having one measuring end (12) closed and one connecting end (13) and a central cavity (14). The central cavity (14) contains a measuring cell (15) and electrical connection members (15). The housing (11) is extended by a hollow finger (17) which contains partly at least the measuring cell (15) which consists of a sensitive heat flux measuring element (18) sandwiched between a first heat conducting component (19) and a second heat conducting component (20). The contact surfaces of the heat conducting component (19, 20) are each coated with a gold film, so as to produce an intimate heat conducting bond with the sensitive heat flux measuring element (18).

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