

Title (en)

PIEZOELECTRIC ACTUATOR PROVIDED WITH A TWO-PIECE HOLDING BODY

Title (de)

PIEZOAKTOR MIT ZWEIFTEILIGEM HALTEKÖRPER

Title (fr)

ACTIONNEUR PIEZOELECTRIQUE POURVU D'UN CORPS DE RETENUE EN DEUX PARTIES

Publication

EP 1920475 A1 20080514 (DE)

Application

EP 06777844 A 20060719

Priority

- EP 2006064394 W 20060719
- DE 102005039551 A 20050822

Abstract (en)

[origin: WO2007023041A1] A piezoelectric actuator (10) comprises a holding body (20) provided with an internal space (40) and a piezoelectric element (30) which is arranged inside said internal space (40), comprises several piezoelectric layers placed in the form of a stack (31) and can be put into contact through said holding body (20). The holding body (20) comprises one or several connectors (92) for bringing the piezoelectric element (30) into contact and one or several connectors (25, 26) and flow channels (41) for supplying a fluid measured by means of an adjuster comprising said piezoelectric element (30) into the internal space. Said invention is characterised by that the holding body (20) consists of two pieces and a cross-section dividing the body (20) into two parts is preferably arranged in the area thereof, where the piezoelectric element (30) can be brought into electrical contact (42) preferably by means of a plug-in connector (61).

IPC 8 full level

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CPC (source: EP)

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