

Title (en)
PIEZOELECTRIC ACTUATOR AND METHOD FOR PRODUCING THE SAME

Title (de)
PIEZOAKTOR UND VERFAHREN ZUR HERSTELLUNG DESSELBEN

Title (fr)
ACTIONNEUR PIEZO-ELECTRIQUE ET PROCEDE POUR LE FABRIQUER

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EP 1949465 A1 20080730 (DE)

Application
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Priority
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Abstract (en)
[origin: WO2007048756A1] The invention relates to a piezoelectric actuator and to a method for producing the same having the following steps: providing a plurality of piezoelectric material layers (2) which can be assembled into a stack; applying electrode layers (3) each having a recess (4, 4') to the plurality of piezoelectric material layers, such that an alternating sequence of piezoelectric material layers and electrode layers is formed in the stack, wherein electrode layers with a recess (4) in a first recess zone and electrode layers with a recess (4') in a second recess zone which differs from the first recess zone are alternatingly formed in the stack; and providing a stress-relieving material (5) in the first and second recesses, the stress-relieving material exhibiting electrically insulating properties after the stack is sintered, and preventing the individual material layers from adhering to one another.

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Citation (search report)
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