

Title (en)
PIEZO ACTUATOR

Title (de)
PIEZOAKTOR

Title (fr)
ACTIONNEUR PIEZO

Publication
EP 1687854 A1 20060809 (DE)

Application
EP 04786708 A 20040907

Priority
• DE 2004001980 W 20040907
• DE 10353171 A 20031114

Abstract (en)
[origin: WO2005053046A1] Disclosed is a piezo actuator, e.g. for actuating a mechanical component. Said piezo actuator comprises a multilayer structure of piezo layers (2) and can be impinged upon by a certain voltage in a piezoelectrically active zone (A) via inner electrodes (3, 4) that are disposed between the layers. Inactive zones (B, C) are provided in the layer structure of the piezo actuator (1). At least the top part or the bottom part, which represent inactive zones (B, C) without inner electrodes, are formed from a material whose permittivity (ϵ'_{33}) is smaller than the permittivity (ϵ'_{33}) of the active zone (A).

IPC 8 full level
H01L 41/083 (2006.01); **H01L 41/187** (2006.01); **H02N 2/04** (2006.01)

CPC (source: EP KR US)
H10N 30/00 (2023.02 - KR); **H10N 30/50** (2023.02 - EP US)

Citation (search report)
See references of WO 2005053046A1

Designated contracting state (EPC)
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