

Title (en)
PIEZOACTUATOR WITH PROTECTIVE RESISTOR

Title (de)
PIEZOAKTOR MIT SCHUTZWIDERSTAND

Title (fr)
ACTIONNEUR PIEZO-ELECTRIQUE AVEC RESISTANCE PROTECTRICE

Publication
EP 1932190 A1 20080618 (DE)

Application
EP 06778246 A 20060815

Priority
• EP 2006065325 W 20060815
• DE 102005046118 A 20050927

Abstract (en)
[origin: DE102005046118A1] The actuator has a set of piezoelectric layers (3) between which layer electrodes (5, 6) are arranged. The layer electrodes are alternatively connected with connection electrodes (8, 9), and protective resistors (16) are provided between the connection electrodes and the layers electrodes. The protective resistors are formed by metallic layers between the piezoelectric layers, are arranged within the layer electrode and form films within the layer electrodes.

IPC 8 full level
H01L 41/083 (2006.01)

CPC (source: EP US)
H10N 30/50 (2023.02 - EP US); **H10N 30/503** (2023.02 - EP US); **H10N 30/871** (2023.02 - EP US); **H10N 30/872** (2023.02 - EP US);
H10N 30/874 (2023.02 - EP US); **H10N 30/875** (2023.02 - EP US)

Citation (search report)
See references of WO 2007036392A1

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
DE 102005046118 A1 20070329; CN 101273476 A 20080924; EP 1932190 A1 20080618; US 2010148628 A1 20100617;
WO 2007036392 A1 20070405

DOCDB simple family (application)
DE 102005046118 A 20050927; CN 200680035694 A 20060815; EP 06778246 A 20060815; EP 2006065325 W 20060815;
US 8828406 A 20060815