

Title (en)

A CAPACITIVE TRANSDUCER WITH CUTTING AREAS

Title (de)

KAPAZITIVER WANDLER MIT ABSCHNEIDEBEREICHEN

Title (fr)

TRANSDUCTEUR CAPACITIF DOTÉ DE ZONES DE DÉCOUPE

Publication

EP 2092580 A1 20090826 (EN)

Application

EP 06805548 A 20061103

Priority

DK 2006000608 W 20061103

Abstract (en)

[origin: WO2008052541A1] The invention provides an actuator made from a layer of an elastomeric material (126) with an actuation area (129) in which a top surface and an opposite back surface are both covered by an electrically conductive material (128). To enable cutting of the actuator into smaller actuators, the elastomeric material comprises a cutting area (130) in which at least one of the top and back surfaces is not covered by electrically conductive material. In one embodiment, the elastomeric material is rolled to form a tubular body (124). The invention further provides a method of making a plurality of actuators by cutting an actuator into smaller pieces.

IPC 8 full level

H10N 30/098 (2023.01); **H10N 30/20** (2023.01)

CPC (source: EP)

H10N 30/088 (2023.02); **H10N 30/098** (2023.02); **H10N 30/206** (2023.02); **H10N 30/506** (2023.02)

Citation (examination)

BENSLIMANE M ET AL: "Mechanical properties of dielectric elastomer actuators with smart metallic compliant electrodes", PROCEEDINGS OF SPIE, SPIE, USA, vol. 4695, 1 January 2002 (2002-01-01), pages 150 - 157, XP002445816, ISSN: 0277-786X, DOI: DOI:10.1117/12.475160

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008052541 A1 20080508; EP 2092580 A1 20090826

DOCDB simple family (application)

DK 2006000608 W 20061103; EP 06805548 A 20061103