Title (en)

TEXTILE CAPACITIVE PRESSURE SENSOR

Title (de)

TEXTILER KAPAZITIVER DRUCKSENSOR

Title (fr)

CAPTEUR DE PRESSION CAPACITIF TEXTILE

Publication

EP 1756538 A1 20070228 (DE)

Application

EP 05749161 A 20050523

Priority

- EP 2005005543 W 20050523
- EP 04013555 A 20040609
- EP 05749161 A 20050523

Abstract (en)

[origin: EP1605240A1] A textile pressure sensor has a flexible design which can be adapted to different shapes of load and comprising a sandwich construction with electrodes each side of a central compressible layer. The compressible layer has a reversible effect and is applied onto a flexible base electrode layer and is covered by an insulating layer. The sensor is completed by a pattern of flexible electrodes of selected shapes applied to the insulating layer and with each electrode with a separate connection to a processor. The electrodes can be conducting fabric, i.e. with conducting thread, or can be printed onto the support layers.

IPC 8 full level

G01L 1/14 (2006.01); **G01L 5/22** (2006.01); **G01L 9/00** (2006.01); **G01L 9/12** (2006.01); **G06F 3/033** (2006.01)

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