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TITLE

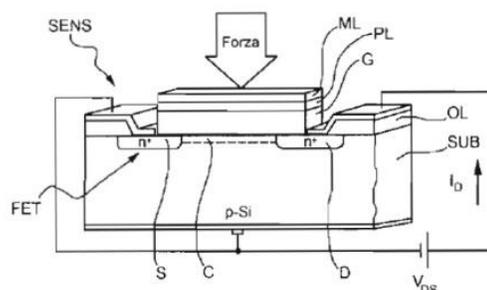
Tactile sensor device

INVENTORS

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DESCRIPTION

The invention relates to tactile sensor devices, in particular sensor devices using polymers as piezoelectric transducers of force/pressure; the transducers are directly coupled to a transistor device for a local signal conditioning. The invention allows obtaining a device touch sensor having a linear response over a large range of dynamic forces acting on it. As an alternative to the higher concentration and detection sensitivity, for a given size and separation of sensor devices, the configuration allows to save space and to integrate accessory devices.



APPLICATIONS

The invention can be implemented in many different disposables that can be interesting in tactile sensor applications such as automotive, sport system and domotic control.

KEYWORDS

Tactile sensor, piezoelectric transducer, pressure

BIBLIOGRAPHIC DATA

Perfezionamenti nei dispositivi sensori tattili basati sull'integrazione tra un film piezoelettrico trasduttore e un transistor FET di condizionamento locale

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