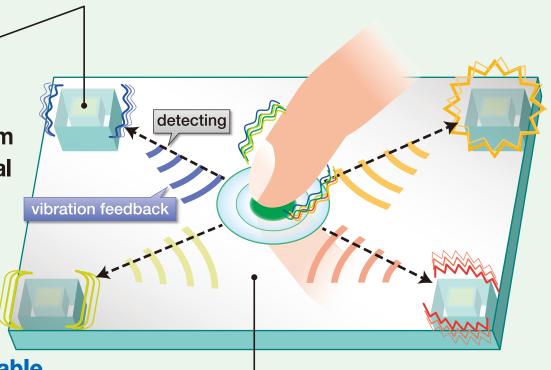


Haptics Interface



Outline

- Artificial Muscle Actuator(AMA) is made from Smart Rubber(SR). It is made from the special elastic material which is soft and conductive.
- Giving expression; rich sense of touch, and realizing a variety of feedbacks
- Thin and Compact
- All-in-one with the pressure sensor is available.
 - ⇒Detecting a touch(by a pressure sensor), and also providing feedbacks at the same time(by AMA)



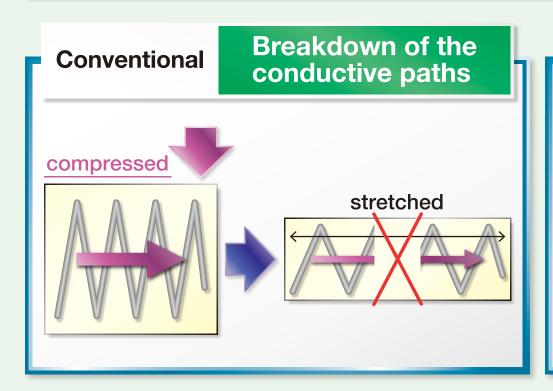
panel, display etc...

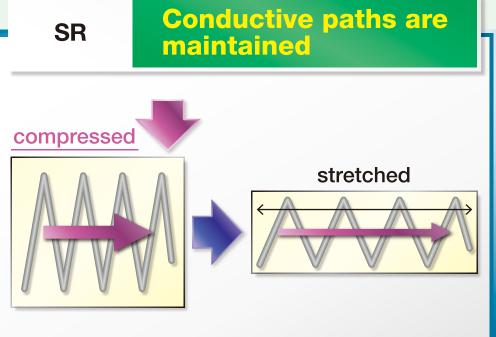


What's SR?



SR(Smart Rubber)is our new developed elastomer which is soft and conductive. It maintains the electrical conductivity even if it is stretched.





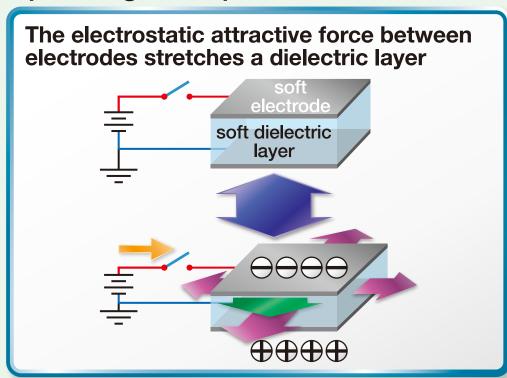


Principle of Actuator

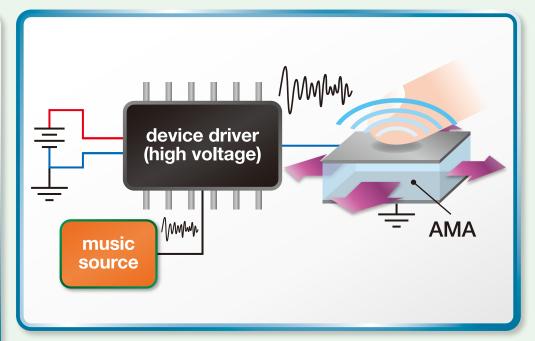


When applied a voltage, AMA(Artificial Muscle Actuator) stretches.

Operating Principle



outline





Aspects of this Actuator



- The rich and varied expressiveness
 - ⇒Broadband vibration control is available
- Thin and Compact
 - ⇒Having a high degree of freedom for drawing because of the soft elastomer
- Providing the feel that you push a switch
 - ⇒By the structure monolithically with the pressure sensor

