

Title (en)

POSITIONAL APPLICATOR DEVICE FOR USE WITH STRETCHABLE ELECTRONIC DEVICES AND RELATED METHODS

Title (de)

POSITIONSAPPLIKATORVORRICHTUNG ZUR VERWENDUNG MIT DEHNBAREN ELEKTRONISCHEN VORRICHTUNGEN UND ZUGEHÖRIGE VERFAHREN

Title (fr)

DISPOSITIF APPLICATEUR DE POSITIONNEMENT POUR UTILISATION AVEC DES DISPOSITIFS ÉLECTRONIQUES ÉTIRABLES ET PROCÉDÉS ASSOCIÉS

Publication

EP 3463047 A4 20200226 (EN)

Application

EP 16903317 A 20160525

Priority

US 2016034048 W 20160525

Abstract (en)

[origin: WO2017204793A1] Positional applicator devices and methods are for application of stretchable electronics relative to subsurface features of an object. In some embodiments, a positional applicator device for applying a stretchable electronic device to a surface of an object includes: a holder for a stretchable electronic device; a signal emitter positioned to direct an emitted signal toward a surface of an object; a receiver positioned to detect a return signal from the surface of the object; circuitry operably connected to the signal emitter and the receiver, the circuitry configured to compare the emitted signal with the return signal in order to identify surface and subsurface features of the object; circuitry configured to compare the identified features with a map of surface and subsurface features of the object stored in memory; and a positioner, the positioner structured to apply the stretchable electronic device to a position on the surface of the object.

IPC 8 full level

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Citation (search report)

- [X1] US 2014303452 A1 20141009 - GHAFARI ROOZBEH [US]
- [X1] WO 2006055771 A1 20060526 - 3M INNOVATIVE PROPERTIES CO [US], et al
- [A] EP 2705816 A1 20140312 - DONA & [NL], et al
- [A] WO 2015077559 A1 20150528 - MC10 INC [US], et al
- See references of WO 2017204793A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 2016034048 W 20160525; CN 201680086020 A 20160525; EP 16903317 A 20160525; JP 2018561956 A 20160525