Title (en)
LARGE SCALE, LOW COST NANOSENSOR, NANO-NEEDLE, AND NANOPUMP ARRAYS

Title (de)
GROSSFLÄCHIGER, KOSTENGÜNSTIGE NANOSENSOR, NANONADEL UND NANOPUMPENARRAYS

Title (fr)
RÉSEAUX DE NANOCAPTEURS, DE NANOAIGUILLES ET DE NANOPOMPES À GRANDE ÉCHELLE ET À FAIBLE COÛT

Publication
EP 3218934 A4 20180620 (EN)

Application
EP 15858782 A 20151113

Priority
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Abstract (en)
[origin: CN107210319A] A nanoscale probe includes a substrate and a pair of nanoscale wires each having a first end disposed on the substrate and a second end. The second ends of each nanoscale wire are in contact with one another such that the pair of nanoscale wires forms a bridge extending over the substrate. The nanoscale wires may be electrically connected to electrodes residing on the substrate. The electrodes, in turn, are connected to an active electronic device such as a readout device or microprocessor formed in the substrate on which the probe is located. In this way a property of the nanoscale wires, and thus of the cell, may be determined.

IPC 8 full level
A61M 37/00 (2006.01); F04B 19/00 (2006.01)

CPC (source: EP US)
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Citation (search report)
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- [Y] US 8338818 B1 20121225 - HERSEE STEPHEN D [US]
- [Y] WO 2008054488 A2 20080508 - MIRKIN MICHAEL V [US], et al
- [A] US 2007078376 A1 20070405 - SMITH GREGORY A [US]
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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CN 201580072338 A 20151113; EP 15858782 A 20151113