

Title (en)

A METHOD FOR FABRICATING NANOGAP AND NANOGAP SENSOR

Title (de)

VERFAHREN ZUR ERZEUGUNG EINES NANOSPALTS UND NANOSPALTSENSOR

Title (fr)

PROCEDE POUR FABRIQUER UN NANO-INTERVALLE ET CAPTEUR DE NANO-INTERVALLE

Publication

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Application

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Abstract (en)

[origin: WO2007046582A1] The present invention relates to a method of fabricating a nanogap and a nanogap sensor, and to a nanogap and a nanogap sensor fabricated using the method. The present invention relates to a method of fabricating a nanogap and a nanogap sensor, which can be realized by an anisotropic etching using a semiconductor manufacturing process. According to the method of present invention, the nanogap and nanogap sensor can be simply and cheaply produced in large quantities.

IPC 8 full level

B81C 1/00 (2006.01)

CPC (source: EP)

B81C 1/00087 (2013.01)

Citation (search report)

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- [A] WO 2004078640 A1 20040916 - UNIV DELFT TECH [NL], et al
- [A] US 2003211502 A1 20031113 - SAUER JON R [US], et al
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- [XII] HASHIOKA S ET AL: "FABRICATION TECHNIQUE FOR PREPARING NANOGAP ELECTRODES BY CONVENTIONAL SILICON PROCESSES", JAPANESE JOURNAL OF APPLIED PHYSICS, JAPAN SOCIETY OF APPLIED PHYSICS, JP, vol. 44, no. 6A, 1 June 2005 (2005-06-01), pages 4213 - 4215, XP001502351, ISSN: 0021-4922, DOI: 10.1143/JJAP.44.4213
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- See references of WO 2007046582A1

Citation (examination)

SHINGI HASHIOKA ET AL: "Fabrication Technique for Preparing Nanogap Electrodes by Conventional Silicon Processes", JAPANESE JOURNAL OF APPLIED PHYSICS, vol. 44, no. 6A, 1 June 2005 (2005-06-01), JP, pages 4213 - 4215, XP055395549, ISSN: 0021-4922, DOI: 10.1143/JJAP.44.4213

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