CONTENTS

Keywords: nanotechnologies, patenting trends, patent searching, licensing, intellectual property rights, copyright, commercial secret (know-how).

The contacting devices of miniature robot are studied. Contact surfaces of the devices are made from an adhesion fibrous material. Main parameters, required for such facilities are estimated. The results of this work may be used for miniature robots that move in limited space. This work was supported by RFBR grants N 08-01-00365 and N 07-01-12015. **Keywords:** microrobotics, mechatronics, adhesion, nanostructured materials.

Keywords: the device, assemblage, microelectronics, MST, soldering, quality.

Keywords: length, bar, slight, interatomic distance, harmonicity, cubic term.

Tourkine I. A. *Effects of Partial SAW Reflection of Masking Bus-Bar IDT Borders in Quasi-Slanted SPUDT Filters.*26 The paper discusses an effect of partial SAW reflection off masking bus-bar SPUDT borders and presents recommendations to reduce negative influence on frequency responses in SAW filter transmission band. This effect was explored on quasi-slanted SAW filter FP-474 (70B38vl D), however it can be observed in a whole series of SAW filters with similar topological features. Minimization of this effect allows reducing ripple of frequency responses behavior in filter transmission band, thus it will give an opportunity to make SAW filters of better quality.

Keywords: surface acoustic wave (SAW), filter, single phase unidirectional transducer (SPUDT), bandwidth (BW), amplitude ripple (AR), group delay variable (GDV).

Keywords: tensoresistive converter, the integrated tactile gauge.

Keywords: elastic supporting members, gyroscope, piezoelectric ceramics, bimorph beam.

For foreign subscribers:

Journal of "NANO and MICROSYSTEM TECHNIQUE" (Nano- i mikrosistemnaya tekhnika, ISSN 1813-8586)

The journal bought since november 1999. Editor-in-Chief Ph. D. Petr P. Maltsev

ISSN 1813-8586.

Address is: 4, Stromynsky Lane, Moscow, 107076, Russia. Tel./Fax: +7(499) 269-5510. E-mail: nmst@novtex.ru; http://www.microsystems.ru

Адрес редакции журнала: 107076, Москва, Стромынский пер., 4. Телефон редакции журнала (499) 269-5510. E-mail: nmst@novtex.ru Журнал зарегистрирован в Федеральной службе по надзору за соблюдением законодательства

в сфере массовых коммуникаций и охране культурного наследия.

Свидетельство о регистрации ПИ № 77-18289 от 06.09.04.

Дизайнер Т. Н. Погорелова. Технический редактор Е. М. Патрушева. Корректор Е. В. Комиссарова

Сдано в набор 16.12.2008. Подписано в печать 23.01.2009. Формат 60×88 1/8. Бумага офсетная. Печать офсетная. Усл. печ. л. 6,86 Уч.-изд. л. 8,46. Заказ 43. Цена договорная

Отпечатано в ООО "Подольская Периодика", 142110, Московская обл., г. Подольск, ул. Кирова, 15

- НАНО- И МИКРОСИСТЕМНАЯ ТЕХНИКА, № 2, 2009 -