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The output at full-scale applied pressure is a few millivolts per volt of bridge excitation the supply voltage to the bridge. Chengkuo Lee, MOEMS Variable Optical Attenuator with Robust Design for Improved Dynamic Characteristics, IEEE Photon. Protective overlayer material and electro-optical coating using same 1995-07-27 1999-01-19 Regents Of The University Of California Process for forming silicon carbide films and microcomponents 1995-09-14 1998-03-31 Kabushiki Kaisha Toshiba Semiconductor device and manufacturing method therefor 1995-09-14 1997-04-22 Liberkowski; Janusz B.

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Sniegowski, Invited paper SPIE Micromachining and Microfabrication Process Technology, Austin, TX, Oct. The geometric sizing both of the stator and of the rotor can be carried out, once the overall size of the motor is known, in such a way that, for certain power conditions, the material never exceeds the saturation induction value since this conditions would result in a wasted power consumption and, therefore, in a reduction in efficiency of the motor itself. Gears, micromotors, beams, simple as well as hinged plates, and a number of other structures have been demonstrated, though only accelerometers and yaw-rate sensors are currently in volume production.

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It has been successfully used to make micromechanical structures and to integrate electrical interconnects, thermocouples, p-n junction diodes, and many other electrical devices with micromechanical structures.

Sandia National Laboratories: Bibliography

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Group of Chengkuo Lee

A dry isotropic etch step using sulfur hexafluoride SF6 laterally etches the exposed sidewalls near the bottom of the trench, thus undercutting Figure 3. Zhihua Wang, Songyi Yang, Shuang Miao, Qiongfeng Shi, Tianyiyi He, and Chengkuo Lee, A Motion-Balanced Sensor Based on the Triboelectricity of Nano-iron Suspension and Flexible Polymer, Nanomaterials, vol. Miller, Presented at Modeling and Simulation of Microsystems 1999, San Juan, Puerto Rico, April 19-21, 1999, pp.

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