


Selectively stiffened flexures for motion conversion mechanisms (Technion)

code: MAE-1411

Motion conversion in micro-electro-mechanical systems (MEMS) requires specially fabricated mechanisms that currently are not able to be mass produced but rather custom hand-made fabrication for each device is required. The technology presented is a novel dual-height design that is easier to fabricate using standard mass-fabrication technology. The technology can be used for optical MEMS applications as well as other mechanical mechanisms which require motion conversion.

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