



Technology Offer

Barodome: Arrangement of Barometric Sensors and Machine Learning Based Force Inference Method

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Background

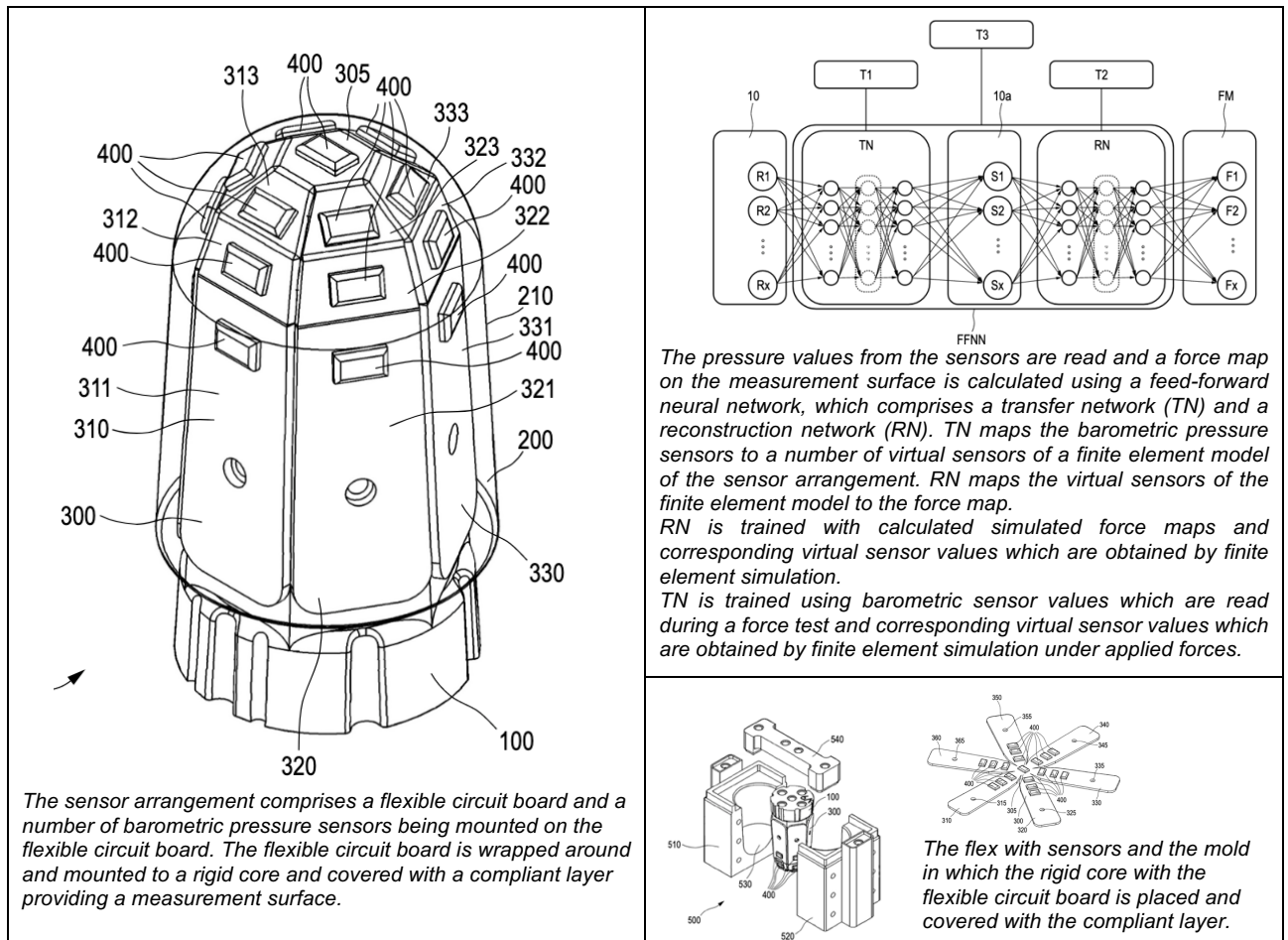
When developing applications such as robots, sensing of forces applied on a robot hand or another part of a robot such as a leg or a manipulation device is crucial in giving robots increased capabilities to move around and manipulate objects. We offer a complete low-cost sensor solution with the sensor arrangement, production method, the neural network and its training method.

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Technology



Applications & Advantages

- Robot hands, legs and effectors
- Low-Cost
- Very high resolution thanks to the trained neural network

Patent Information

Sensor: PCT patent application PCT/EP2020/083260, regionalized & pending in EU, USA, CN, JP, KR

Force Inference: PCT patent application PCT/EP2020/083261, pending in EU, USA, CN, JP, KR