TITLE
Elastic rotary actuator, particularly for robotic applications, and method for its control

INVENTORS
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DESCRIPTION
This rotary actuator embeds a flexible transmission system which allows the actuator to be safe (towards human and environment) and robust during interaction. The key features of this actuator are its high power density, and small size which allows the integration of this actuation approach within small scale systems.

APPLICATIONS
This solution finds application in all those systems which require direct interaction of the robot with the human and environment, e.g. service/entartainment/rehabilitation/human---centred robotics, exoskeletons and medical devices.

KEYWORDS
Actuator, robotics, human---centred robotics, compliant actuation

BIBLIOGRAPHIC DATA
Attuatore rotante elastico, particolarmente per applicazioni robotiche, e metodo per il suo controllo
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