



ISTITUTO ITALIANO
DI TECNOLOGIA

TITLE

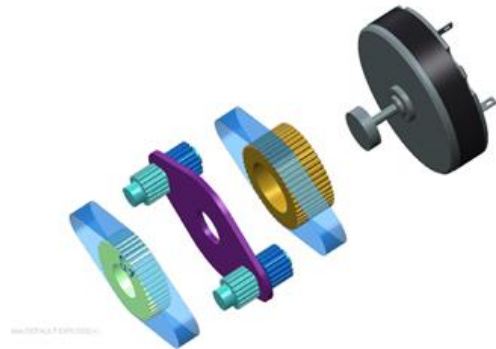
Riduttore di velocità rotazionale

INVENTORS

Alberto Bibolotti

DESCRIPTION

The invention relates to a rotational speed reducer, the device produces an high speed variation thanks to the usage of a configuration based on satellite cogs and a belt connection system. An actuator acts on a planet carrier which put into rotation the first couple of satellite cogs thanks to their belt mechanical coupling. Subsequently, thanks to the rigid connection between the first couple of satellite cogs and the second one, the motion is transferred, again with belts, from the second couple of satellites to the output sun gear.



APPLICATIONS

Robotics, mechanical industry

KEYWORDS

Planetary, speed, reducer, multiplier, variable, belt, gear

BIBLIOGRAPHIC DATA

Rotational speed reducer

Application Number IT 102015000033501

Priority Date 13/07/2015

Applicants Fondazione Istituto Italiano di Tecnologia, Istituto Nazionale Per L'Assicurazione Contro Gli Infortuni Sul Lavoro

CONTACTS

Technology Transfer Office

Matteo Faccenda

Matteo.faccenda@iit.it

+39 010 71781 968