TITLE
Modular And energy efficient Soft Wearable Exosuit

INVENTORS
Leonardo Cappello, Lorenzo Masia

DESCRIPTION
The invention consist in an actuator applied to a soft wearable exosuit for the upper body. The scope of the entire device is to act like an external muscular system able to empower targeted upper limb joints. It comprises two main components: the actuation elements with an electromechanical clutch applied on a soft wearable frame by tendons and springs.

APPLICATIONS
Rehabilitation, body empowering

KEYWORDS
Soft, exosuit, wearable, clutch, actuators, tendons

BIBLIOGRAPHIC DATA
Modular And energy efficient Soft Wearable Exosuit
Application Number  SG 10201506263R
Priority Date  11/08/2015
Applicants  Fondazione Istituto Italiano di Tecnologia, Nanyang Technological University, Universita’ degli studi di Genova

CONTACTS
Technology Transfer Office  Matteo Faccenda  Matteo.faccenda@iit.it  +39 010 71781 968