The Priority

Degenerative neuromuscular diseases, ischemic or traumatic injuries cause paralysis and communications problems.

People with tetraplegia

20 millions

LIS/CLIS

3 millions
Mental joystick

Braincontrol is a breakthrough technology that gives disabled people the power to control objects with their minds.
Brain-Computer Interface

Artificial Intelligence

HOW IT WORKS
CLINICAL VALIDATION

125

✔️

trainings
completed

500+ informal trainings

✔️

Multicentric clinical study

✔️

Protocol defined

64

Healthy users
All trainings completed successfully

61

Patients (59 with ALS, 9 other pathologies)

Early stage
• 8 successfully

Advanced stage
• 14 successfully

LIS:
• 27 successfully

CLIS:
• 9 successfully
• 3 failed
COMPETITIVE ADVANTAGE

First CE medical device in the market based on BCI technology

PATENT
N.IT102015000052009
PCT/IB2016/055442

Class I medical device

Braincontrol®

It fills a technological void for LIS patients

Core solution of a future bio-feedback framework based on machine learning techniques for human-computer interaction
TECHNOLOGY BEHIND

Machine Learning

Training

Classifier model

Interaction methods
(BCI and more …)

EEG

Eye Tracking

Microphone

Camera

Motion sensor

Touch
Augmentative Alternative Communication
Functional/Cognitive Assessment
Robotics

Innovative
- BCI
- Motion
- Eye-tracking
- Voice

Modular

Brain Control
FOCUS ON PEDIATRIC PATIENTS

Engagement for trainings

Functionalities and design
FOCUS ON PEDIATRIC PATIENTS

Engagement for trainings

Functionalities and design

Continuous Algorithms Learning process

Games-based trainings for patients

Entertainments

Games
Imagine you were able to control an object through your mind ...

VIDEO: https://goo.gl/uLD2wF