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## TITLE

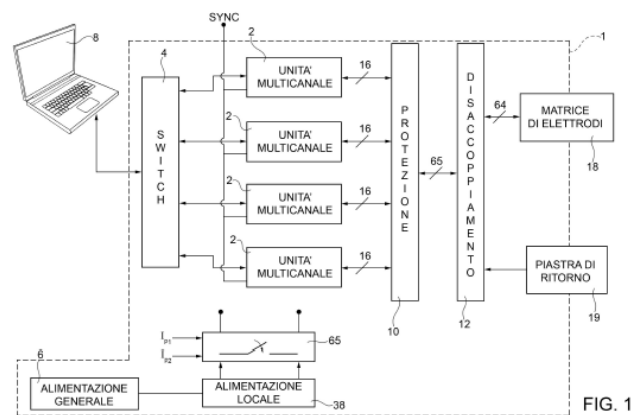
A neuromuscular system stimulation unit for a multichannel stimulation system of the modular type

## INVENTORS

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## DESCRIPTION

The invention relates to a stimulation unit for a neuromuscular system comprising a plurality of terminals configured to be electrically coupled to a corresponding plurality of electrodes of a stimulation matrix configured to stimulate a portion of neuromuscular system, a signal generator programmable in order to generate a stimulation currents on each terminal and to detect signals. The device could control whatever number of the said electrodes which could be of any shape. The device could also control the stimulation time of each electrodes forming complex stimulation patterns.



## APPLICATIONS

Neuro-stimulation, epilepsy treatment, neuro-surgery

## KEYWORDS

Neural, stimulation, multi-channel, temporal evolution, human, electrodes, current generator

## BIBLIOGRAPHIC DATA

Unità Di Stimolazione Del Sistema Neuromuscolare Per Un Sistema Di Stimolazione Multicanale Di Tipo Modulare

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