



BIOTECNOMED

S.C.àR.L

Patent Portfolio



**BIO
TECNO
MED**

CALABRIA LIFE SCIENCES



SOLUTIONS





**Italian Patent Pending
No. 102021000019793**

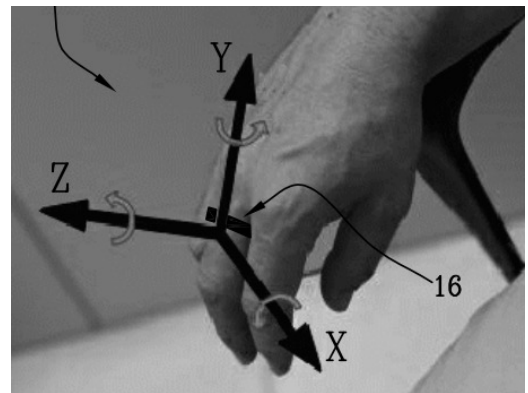
26/07/2021

**« DEVICE AND METHOD FOR LIMB TREMOR
CHARACTERIZATION »**

Limb tremor

Intended for:

- Characterization of limb tremor at rest
- Early screening and reliable diagnosis of neurodegenerative disorder (benign tremor vs PD)
- Reduction of costs for NHS
- Ease of use for neurologists and *non-specialists* (e.g.: GP)



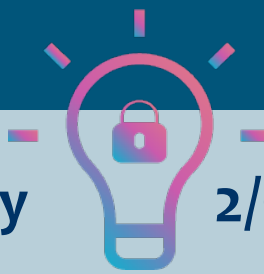
Features:

- Easy to wear and use (ring that is worn on a finger)
- Based on the acquisition of inertial signals only
- Tell benign tremor (5-6% in people >40 yrs) from tremor associated with neurodegenerative disorder (PD and parkinsonisms, 2% in people >60 yrs)
- Quantitative assessment of therapies
- No need for invasive, expensive exams (MIBG, DAT-SPECT, EMG)
- Easily adoptable by GPs for capillary diffusion

A low-cost digital medical device

TARGET MARKET: general Practitioners, Neurologists, health facilities, ...

STATUS: prototype being tested



Protective Mask

Utility Model Patent Granted

No. 202020000003829

01/07/2020

« PROTECTIVE MASK AND KIT »

Intended for:

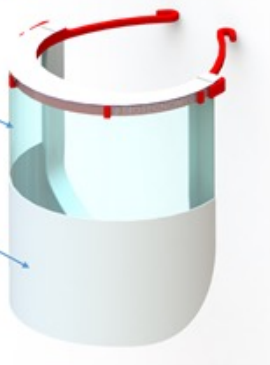
- Ease of wear
- Total protection
- Effective in virus protection
- Unconstrained and visible nose and mouth

Features:

- Comfortably wearable
- Adaptable to the user's face
- It provides a complete face isolation
- The main components (visor and filtering portion) can be easily removed and replaced
- Reduction of humidity formation

Polycarbonate or
similar
biocompatible
materials

TNT



Biocompatible
plastic material

Elastic material



For total protection without constraints

TARGET: Consumer & Health

STATUS: Prototype being tested



Uterine cancer detector

Easy assessment of uterine sarcoma

Italian Patent Granted

No. 102019000004155

21/03/2019

**« DIAGNOSTIC METHOD FOR UTERINE
SARCOME »**

Intended for:

- Discriminating between uterine sarcoma and fibroma
- Self-diagnosis and accurate evaluation

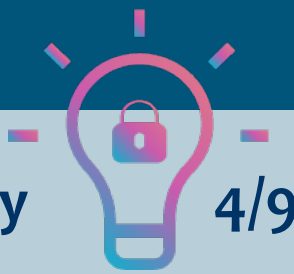
Features:

- Device for fast automatic analysis of biological fluids

***Early detection of
uterine cancer***

TARGET: physicians, gynaecologists, health facilities, pharma industry

STATUS: methodology tested, ready for introduction into clinical practice.



μ EMG – Tremor analyzer

a wearable device for automatic characterization of tremor symptoms. **« METHOD AND KIT FOR CLASSIFYING MUSCLE TREMORS »**

**Italian Patent Granted
No. 102019000002559**

22 Feb 2019

Intended for:

- early screening and reliable diagnosis of neurodegenerative disorder (benign tremor vs PD)
- reduction of costs for NHS
- ease of use for neurologists and non-specialists (e.g.: GP)

Features:

- Easy to wear and use (like a watch + 2 tiny satellites)
- Managed by mobile app + web app for viewing/storing/monitoring
- Tell benign tremor (5-6% in people >40 yrs) from tremor associated with neurodegenerative disorder (PD and parkinsonisms, 2% in people >60 yrs)
- quantitative assessment of therapies
- No need for invasive, expensive exams (MIBG, DAT-SPECT, EMG)
- easily adoptable by GPs for capillary diffusion



***A low-cost digital medical device for outpatient use
+ free app + web application***

TARGET MARKET: general Practitioners, Neurologists, health facilities, ...

STATUS: prototype clinically validated



Peptide

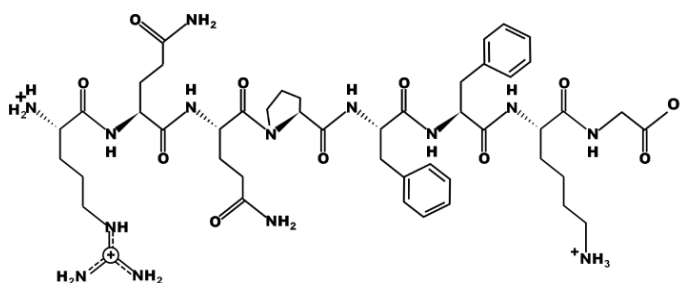
Cancer Immunomodulator

Italian Patent Granted

No. 102018000003470

del 13/03/2018

«PEPTIDE AND USES THEREOF»



Intended for:

- Treatment of tumors by combining different therapeutic approaches
- Reduction of toxic effects of chemotherapy/radiotherapy
- Improvement of life expectancy on patients affected by cancer

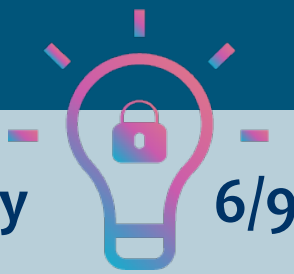
Features:

- Better tumor penetration
- Better clearance (less side-effects)
- Better flexibility for combinatorial therapies
- Low cost of production

***An innovative approach
for a more efficient treatment of cancer***

TARGET: pharma companies for licensing of the solution

STATUS: experimentation completed. Method validated.



Italian Patent Granted

IT201700034619

29/03/2017

**«MICRORNAS AS BIOMARKERS FOR THE
DIAGNOSIS OF LUNG DISEASES CAUSED BY
EXPOSURE TO ENVIRONMENTAL
POLLUTANTS»**

PCT WO/2018/178917

Poland Patent Pending

P-431683

Intended for:

- Monitoring health and air quality in working environments
- avoid prescription of inappropriate drugs
- reduce NHS costs due to treatment of lung and respiratory diseases due to working/living conditions

Features:

- Rapid and accurate detection of pattern of microRNA from all biological fluids
- Assessment of lung damage in subjects exposed to environmental pollutants

***A low-cost test for autodiagnosis,
analysis sequence and digital reader + sample stick***

TARGET MARKET: consumer, factories and companies with environmental risks

STATUS: experimentation completed. Method validated.
Ready for market.



H-Screw

Smart fixing solution

Italian Utility Model Granted

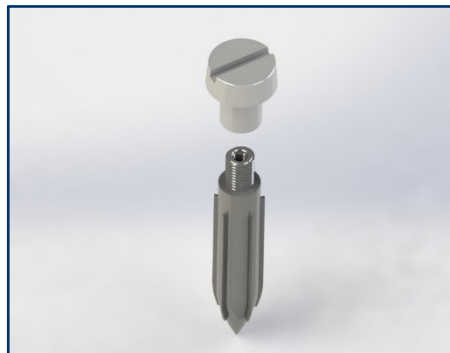
No. 202016000112205

08/11/2016

«WALL-FIXING DEVICE»

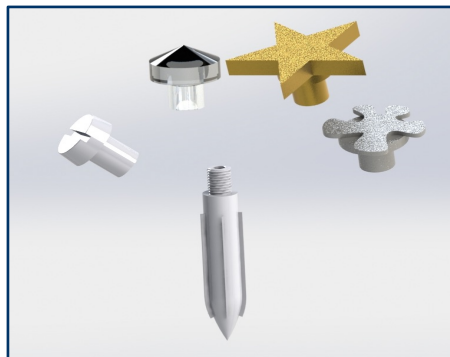
Intended for:

- Ease of use
- Wall decoration
- Customization



Features:

- No need for electric drilling
- Interchangeable stud
- Can be hammered into concrete, wood, etc...



***An easy and customizable fixing system,
More than a nail!***

TARGET: consumer & DIY hardware

STATUS: prototype being tested



i-Fix

Smart fixing solution

Italian Patent Granted

No. 102017000023621

29/06/2019

**« DEVICE AND A METHOD FOR INSTALLING
A PLUG IN A WALL »**

Intended for:

- Ease of use
- Do-It-Yourself
- Hammering of any kind of dowel

PCT/IB2018/051330

German Patent Pending

DE112018000370

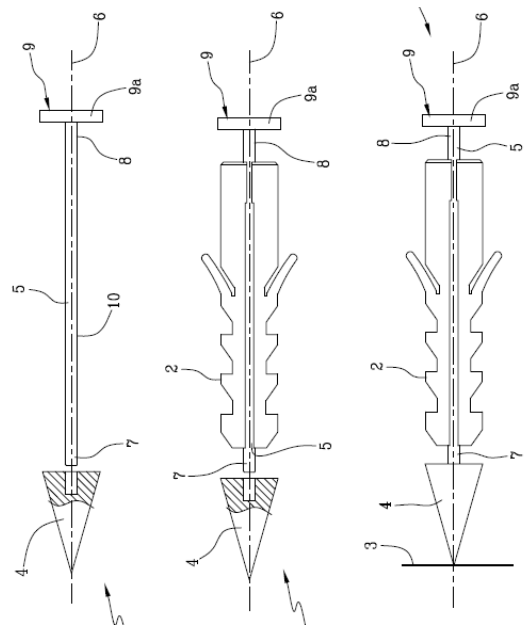
Features:

- No need for electric drilling
- Can be used for easy placement of dowels
- Can be hammered into concrete, wood, etc...

***An easy fixing system,
Just need a hammer!***

TARGET: consumer & DIY hardware

STATUS: prototype being tested





Pot-Top

Smart gardening solution

Italian Patent Granted

No. 102016000036717

11/04/2016

«POT COVERING DEVICE»

Intended for:

- Ease of use
- Preserving plants from cold and atmospheric threats
- Maintain humidity

Features:

- Adaptable to different plant sizes
- Regulating air and moisture
- Easily installable



***An innovative gardening solution
for healthier and smarter terrace plants***

TARGET: consumer & DIY, gardening professionals, design

STATUS: prototype tested





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