

ROOM WITH SANITIZED AIR BY FOTOCATALYSIS THROUGH



BRID air purifier



BRID technology embeds a functionalized filter unit with photocatalytic nanoparticles, "activated" by the light. Inside the BRID, LEDs visible light illuminates the nanoparticles by triggering the production of free radicals that react with pollutants and break their chemical bonds until complete disintegration.

BRID technology is extensively protected by the following patents:

WO2007/088151 "Method for the preparation of aqueous dispersions of TiO₂ in the form of nanoparticles, and dispersions obtainable with this method"

WO2006/061367 "Process for preparing dispersions of TiO₂ in the form of nanoparticles, and dispersions obtainable with this process and functionalization of surfaces by application of TiO₂ dispersions"

WO2012085950 DEVICE FOR REDUCTION POLLUTANTS IN A GAS MIXTURE

WO2018207107 Nanofunctionalized support and production method thereof

WO2019211787(A1) (7/11/2019) "Nitrogen doped TiO₂ nanoparticles and the use thereof"

WO2019082091 AN AIR FILTER DEVICE

WO 2019097418 LED PANEL FOR FLUIDS FILTERING ELEMENTS IN PARTICULAR AIR

BRID has been tested by the following accredited external Laboratories:

EUROFINS BIOLAB S.r.l.

Certification of E.coli abatement
Certification of CORONAVIRUS abatement

BIOCHIMIE LAB S.r.l.

Certification of OVC (Organic Volatile Compounds) Abatement
Certification of Total Microbial Load abatement
Certification of Ozono production

Studio Ambiente S.r.l.

Certification of PM (Particulate Matter) removal

Internal Colorobbia Laboratory Ce.Ri.Col

Certification of NO_x (Nitrogen Oxides) abatement



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