



BRILLOUIN ENERGY

Press Release

Brillouin Energy Awarded Patent For Its Potentially World Changing Fusion Reactor

European Union Issues Patent for Controlled Electron Capture Reaction

BERKELEY, CA, January 31, 2019 – Brillouin Energy Corp., a leading company in the Low Energy Nuclear Reaction (LENR) field, announced that it has obtained a significant Patent associated with its design for a potentially world-changing “Hydrogen Hot Tube”, or “HHT™” reactor system from the European Union Patent Office. The Patent, which has been issued for a crucial component of the HHT reactor system, the “Controlled Electron Capture Reaction” (CECR) for “Energy Generation Apparatus and Method”, is dated September 26, 2018.

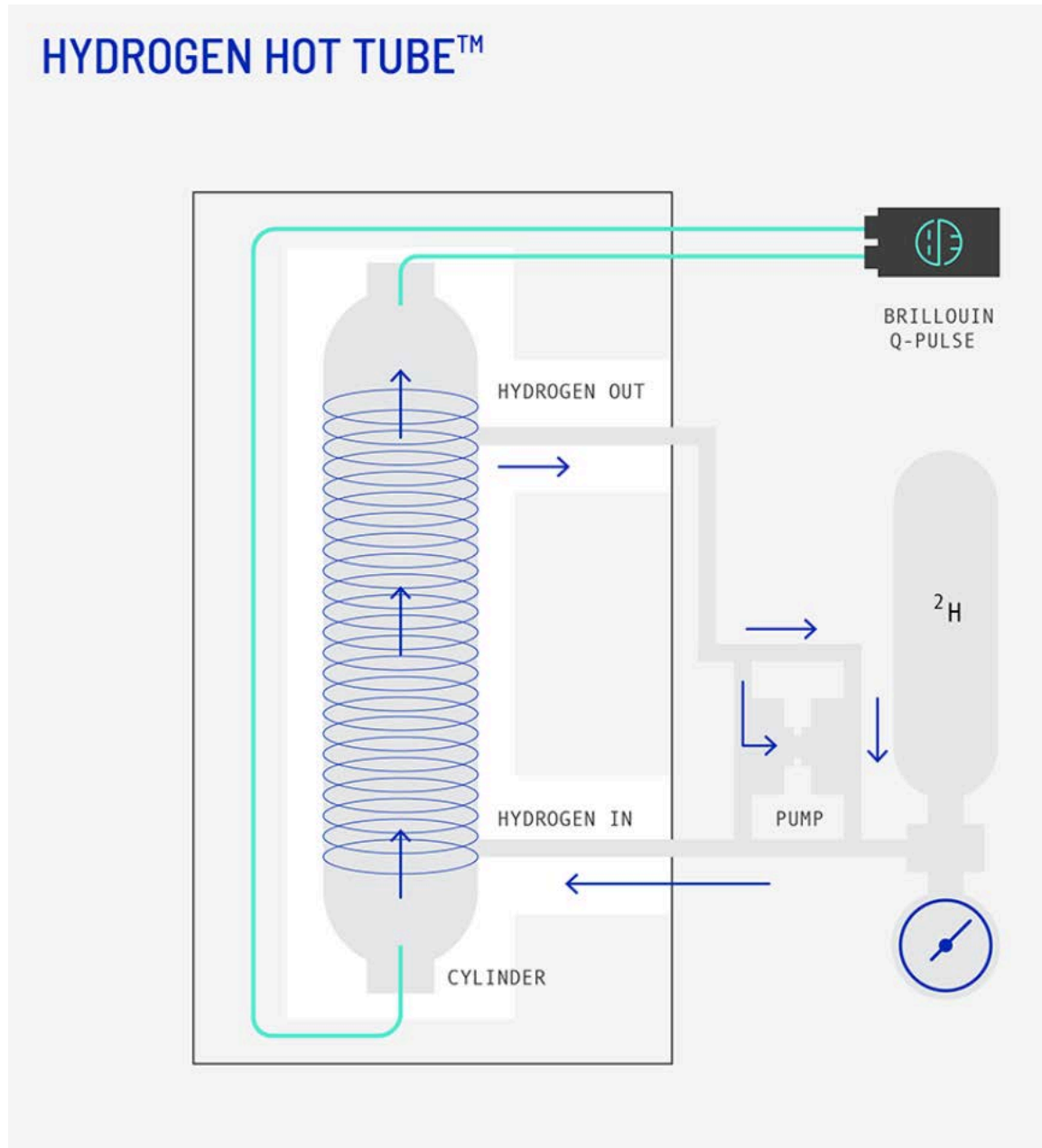
Brillouin Energy has made significant progress since the last quarter of 2017, when it was making a few Watts of controlled LENR (excess) reaction heat on a consistent and repeatable basis. In the last five months, the Company has reached the stage where it is now reliably able to produce 50 to 60 Watts of controlled LENR (excess) reaction heat with a Coefficient of Power (COP) consistently over 2.25 times (2.25X energy output vs. energy input) within its HHT™. As these COP results continue to rise, Brillouin Energy’s CECR technology continues to move closer to being able to power up to 30,000 homes for one year on the amount of hydrogen contained in the volume of an average glass of water.

“We are on the cusp of a new era of cheap, abundant and reliable power from LENR-based systems, at a time when the United States and many other countries are re-examining their approaches for supporting clean energy technologies,” said Robert W. George, Chief Executive Officer, Brillouin Energy.

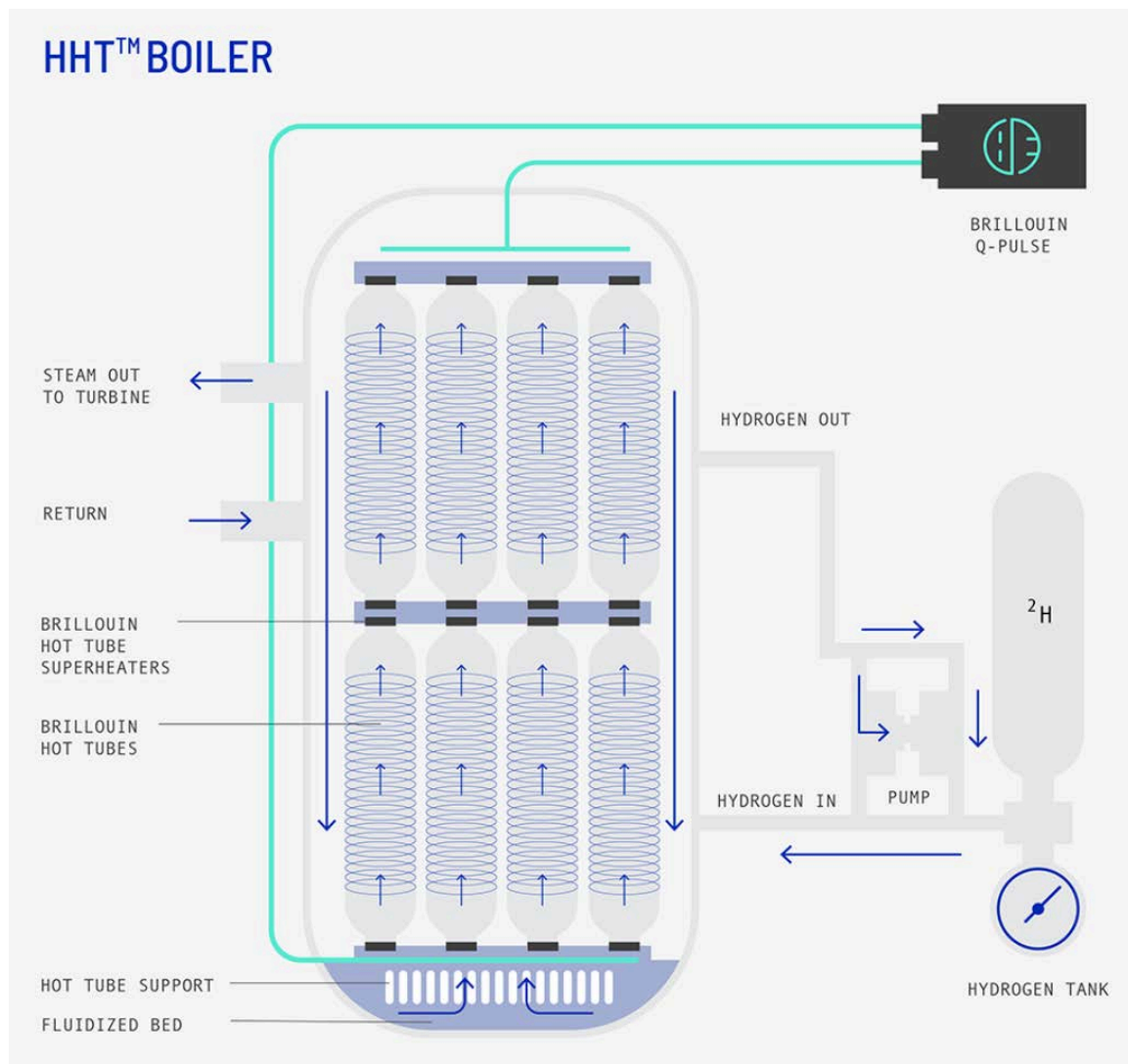
The CECR Patent issued by the EU is one of the Company’s primary patents describing the underlying physics for controlled pulsed power stimulation of an LENR reaction. It outlines the practical technique for inducing and controlling the reaction within a metallic lattice. The reaction produces a large amount of thermal energy, and an extremely small amount of inert (harmless) helium. Other than this primary heat output, there are no toxic, radioactive or CO₂ byproduct emissions of any kind.

Brillouin Energy's HHT™ reactor system is designed to operate at temperatures between 100°C to 700°C depending on application. It uses a very small amount of hydrogen gas with a nickel-metal catalyst to produce LENR heat on a highly controlled basis. This will be suitable in meeting industry's needs for clean, cheap modular heat and power at the point of demand.

Brillouin Energy Hydrogen Hot Tube™ Reactor System:



Brillouin Energy Hydrogen Hot Tube™ Boiler System:



About Brillouin Energy Corp.

Brillouin Energy is a clean-technology company based in Berkeley, California, USA, which is developing in collaboration with former senior LENR scientists from SRI International, an ultra-clean, low-cost, renewable energy technology that is capable of producing commercially useful amounts of thermal energy from LENR.

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Meta Tags:

Hydrogen Hot Tube

HHT Boiler

HHT Reactor

HHT

Fusion

Fusion Reactor

Nuclear Fusion

Low Energy Nuclear Reaction

LENR

Controlled Electron Capture Reaction

CECR

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Energy

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