TECHNOLOGY OFFER



The heatsink Seebeck effect

Heat recovery for thermoelectric effect is based on the direct conversion of heat to electricity. This technology gets lost heat sources such as vehicle exhausts, chimneys or incineration facilities thermal dissipation. The lack of moving parts, cleanliness, lightness, reliability, low maintenance and soundproof of this technology, improve system efficiency.



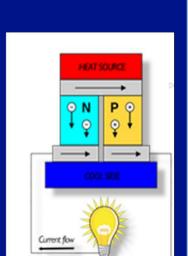
The technology consists of a device that operates independently ventiloconvector, through the use of thermoelectric Seebeck effect to transform the fluid thermal energy into electrical energy and use it to power the fan. There is also a theoretical model for the optimal sizing custom.

APPLICATION AND TARGET MARKET

This technology is applied to market makers and companies in the sector of air conditioning, a / c, heat pump manufacturers, component heat dissipation, cooling and / or heating. The technology could also be incorporated in certain systems to reuse the heat, such as exhaust pipes or radiators vehicles or as an alternative to conventional fan heaters.

COMPETITIVE ADVANTAGES

- Independent and electrically independent.
- Increase the efficiency of the system.
- Conversion of energy long life, no moving parts and soundless.
- Possibility of temperature control on and off.
- Availability of theoretical models sizing customizable.



TIME-TO-MARKET

The technology is in prototyping phase.

DEAL SOUGHT

License agreement Development Agreement

RESEARCH GROUP

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