

Magnetocaloric Refrigeration using Solid Working Medium

Disclosure Number

201403263

Technology Summary

The invention relates to magnetocaloric refrigeration and more specifically to an improved refrigeration system requiring less energy usage. This novel solution is a unique standalone unit with heat exchanger on board which can significantly reduce the cost of the machine by eliminating the need for the expensive pump, expensive valve and two heat exchanger (one for hot one for cold source) system and can provide higher efficiency due to better utilization of the magnetic field.

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