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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

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(57) Abstract:

ABSTRACT A hybrid refrigeration system comprising an intercooler coupling a first refrigerator and a second refrigerator, a generator comprising conductive coils filled with a first refrigerant, an ejector comprising at least two inlets coupled to the generator and first outlet of the intercooler, a first condenser conjoining an outlet of the ejector, inlet of the generator and a first inlet of the intercooler completing the first refrigerator, a compressor provided with a second refrigerant coupled to a second inlet of the intercooler, an expansion valve coupled to a second outlet of the intercooler and an evaporation chamber integrated within a first evaporator conjoining the expansion valve and the compressor accomplishing the second refrigerator, wherein the intercooler acts as a heat exchanger between the first refrigerator and the second refrigerator causing a refrigeration effect through the evaporation chamber. The intercooler comprises a second evaporator and a second condenser within an intercooler chamber.

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