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INDUSTRIAL PROPERTY DIVISION
DEPARTMENT OF INTELLECTUAL PROPERTY



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THIMPHU

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I. OFFICIAL NOTICE

In accordance with the Industrial Property Act, 2001 and Industrial Property Rules, 2001

Part I Preliminary; Section 1 to 3

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Introduction

The Industrial Property Act of Kingdom of Bhutan 2001 requires this bulletin to be published covering all proceedings on Patent. Any enquires regarding this bulletin may be addressed to the Director of the Department of Intellectual Property, Ministry of Economic Affairs. Further suggestions and comments are welcomed to improve the format of this journal.

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Office for filing:

All applications, notices, statements or other documents or fee required for patent system of the Industrial Property Act of Kingdome of Bhutan 2001 and the Industrial Property Rules, 2001 must be filed at the Department of Intellectual Property, Ministry of Economic Affairs, Thimphu.

Working hours

Summer (March to October) - 0900 to 1700 hours

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hours

Reception counter: Receiving from 0930 to 1530 hours.

Fee: Any fee payable for patent registry system must be paid in cash until further notice.

Official website: www.ipbhutan.gov.bt

Industrial Property Attorneys

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Any interested person may request the Registrar or Court to invalidate the patent. The request for invalidation to the Registrar should be made on Form-PT 7 with the prescribed fee.

Consultation of Register; Request for Extracts therefore and for Copies of Documents

Any interested person may request the Registrar for the Consultation of Register and inspection of such other documents, request for consultation and request for certified copies of extracts or copies of documents should be made on Form PT-12 with the prescribed fee.

II. PUBLICATION UNDER SECTION 12 IN RESPECT OF GRANT

1. The number of the patent; **BT/PT/13/01**
2. The name and address of the owner of the patent: **Varadarajan Seshamani; No. 56, Defence Colony, 100FT. Road, Indiranagar, Bangalore – 560038, Karnataka, India**
3. The name and address of the inventors :
Varadarajan Seshamani
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4. The name and address of the agent:
Mr. Prakash Rasaily,
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5. The filing date and number of the application: **January 10, 2013 and BT/PT/13/01**
6. If priority has been claimed and the claim has been accepted, a statement of the priority,

the priority date and the name of the country or countries in which or for which the earlier application was filed: **June 12, 2012, India**

7. The effective date of grant of the patent: **September 10, 2019**
 8. The title of the invention: **Non- CFC Refrigerant Mixture for Use in Multistage Auto Cascade Systems**
 9. The abstract: The present invention relates to a refrigerant mixture for use in multistage auto cascade ultralow and cryogenic temperature refrigeration systems. Particularly, the present invention relates to a refrigerant mixture comprising one hydrochlorofluorocarbon (HCFC) and the major proportion includes hydrofluorocarbons(HFC), fluorocarbons, hydrocarbons and natural gases. More particularly, the present invention relates to non-flammable, non-toxic refrigerant mixture having no chlorofluorocarbon (CFC). Further, the present invention aims in providing a refrigerant mixture having low Ozone Depleting Potential (ODP) combined with low Global Warming Potential (GWP).
 10. The symbol of the International Patent Classification if indicated: (no drawings)
**C09K 5/04; C09K 5/00;
F25B 9/00; F25D 001/00;
C10M 101/00**
 11. No of claims : 6 claims
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III. NEW NOTICE

IV. PUBLICATION UNDER SECTION 16 IN RESPECT OF INVALIDATION

V. PUBLICATION UNDER 34 IN RESPECT OF CHANGE IN OWNERSHIP

VI. PUBLICATION UNDER SECTION 34 IN RESPECT OF LICENSE CONTRACT ON PATENT