Abstract:
The present invention provides a microwavable Phase Change Material and product thereof, particularly, the present invention relates to the field of microwave heating and use of microwave susceptor for providing heat to Phase Change Material. The invention provides a new process for preparing improved Phase Change Material which can be heated in a domestic microwave oven. The inventive composition comprises of a microwave susceptor which helps the Phase Change Material to melt within a few minutes depending upon the quantity of Phase Change Material taken. Microwave susceptor is at first uniformly mixed with some other material. The other material may be a highly conductive material, or a slow susceptor. Then this composite is incorporated in a Phase Change Material. This susceptor composite initiates uniform melting of Phase Change Material when exposed to microwave irradiation. This microwavable Phase Change Material is free of sparking, arcing and local overheating.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**
F28D20/00 Version=2 014.01

According to international Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

C09K; F28D; C08K; C08L; d01F (2014.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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</thead>
<tbody>
<tr>
<td>X</td>
<td>US 5,565,132 (SALYER, O. Iyai et al.), 15 Oct., 1996 (1996-10-15) Abst tract; claims; (line 40-50, page 2); line 54-65, page 2; line 8, page 4</td>
<td>1, 2</td>
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<td>Y</td>
<td>US 5804266 (SALYER, O. Iyai et al.), 8 Sep., 1998 (1998-09-08) Abst tract; claims</td>
<td>1-10</td>
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</table>

[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

* Special categories of cited documents:
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**Date of the actual completion of the international search**
12-05-2014

**Date of mailing of the international search report**
12-05-2014

**Name and mailing address of the ISA/Indian Patent Office**
Plot No. 32, Sector 14, Dwarka, New Delhi-110075

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**Telephone No.** +91-1125300200

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<tr>
<td>US 5565132 A</td>
<td>15-10-1996</td>
<td>CA 2177450 A1</td>
<td>07-12-1996</td>
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