Title: APPARATUS AND METHOD FOR CLEANING AND DE-ICING

Abstract: A windshield heated liquid spray assembly including a liquid heating assembly and a heated liquid spray assembly operative to spray the heated liquid onto a windshield, the liquid heating assembly including a liquid heating chamber, at least one heating element disposed in the liquid heating chamber and at least one heat dissipator in heat conduction contact with the at least one heating element, the at least one heat dissipator at least partially defining at least one liquid flow channel and being operative to transfer heat from the at least one heating element to the liquid flowing through the at least one liquid flow channel.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : B05B 1/10
US CL : 239/284.1,139,284.2
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)
U.S. : 239/128,130,132, 284.1;219/202,203

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)

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>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,133,546 A (Bains) 17 October 2000 (17.10.2000)all</td>
<td>1,2,4,6,7,8,9,17-21,23,24,28,29</td>
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<td>Y</td>
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<td>3, 5,10-15</td>
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Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search
02 September 2005 (02.09.2005)

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International application No.
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See patent family annex.