Title: QUARTZ DRUM AND METHOD OF MAKING

Abstract: A method of making a quartz-shell drum (10) includes the steps of heating a quartz tube (12) to a temperature at least sufficient to enable quartz to flow. A diameter of a portion of the heated quartz tube is enlarged to a predetermined size. The enlarged tube is cut perpendicular to a longitudinal axis to create a shell (29) having a desired height (30). A top edge (31) and a bottom edge (32) of the shell are ground to form smooth radii. The top and the bottom edges are fused to create top and bottom rounded edges. In an alternate embodiment, the top edge (31) is instead formed to be inwardly angled. Finally, a top (33) and a bottom (34) head are affixed to the top and the bottom edges, respectively, to form a drum.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC: G10D 13/02 (2006.01)

USPC: 84/411R
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)

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)

EAST

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>A</td>
<td>US 6,482,753 A (TOMETSUKA) 19 NOVEMBER 2002, ALL</td>
<td>1-18</td>
</tr>
<tr>
<td>A</td>
<td>US 6,039,894 A (SANJURJO) 21 MARCH 2000 (21.03.2000), ALL</td>
<td>1-18</td>
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<tr>
<td>A</td>
<td>US 6,416,836 A (FAISER ET AL) 09 JULY 2002 (09.07.2002), ALL</td>
<td>1-18</td>
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</tbody>
</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search: 15 March 2006 (15.03.2006)

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