Title: LOW COST FOOD PROCESSING, PREPARATION, AND HANDLING DEVICES MANUFACTURED FROM CONDUCTIVE LOADED RESIN- BASED MATERIALS

Abstract: Food processing, preparation, and handling devices are formed of a conductive loaded resin-based material. The conductive loaded resin-based material comprises micron conductive powder(s), conductive fiber(s), or a combination of conductive powder and conductive fibers in a base resin host. The percentage by weight of the conductive powder(s), conductive fiber(s), or a combination thereof is between about 20% and 50% of the weight of the conductive loaded resin-based material. The micron conductive powders are metals or conductive non-metals or metal plated non-metals. The micron conductive fibers may be metal fiber or metal plated fiber. Further, the metal plated fiber may be formed by plating metal onto a metal fiber or by plating metal onto a non-metal fiber. Any platable fiber may be used as the core for a non-metal fiber. Superconductor metals may also be used as micron conductive fibers and/or as metal plating onto fibers in the present invention.
(88) Date of publication of the international search report:
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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A47J 43/28 (2006.01)
    H01Q 1/38 (2006.01)

USPC: 83/13;30/324,328,326

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.: 83/13;30/324,328,326

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>Y</td>
<td>US 5,804,266 A (SALYER) 08 September 1998 (08.09.1998), Figs. 1-3 and col. 3, lines 26-59.</td>
<td>6-50</td>
</tr>
<tr>
<td>A</td>
<td>US 5,396,052 A (PETCAVICH et al.) 07 March 1995 (07.03.1995), Figs. 1-5.</td>
<td>6-45</td>
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</tbody>
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Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search: 04 October 2007 (04.10.2007)

Date of mailing of the international search report: 06 NOV 2007

Authorized officer: Gissem Aile
Telephone No.: (571) 272-4501

Name and mailing address of the ISA/US:
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No.: (571) 273-3201

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