Abstract:

A method of eliminating the off-flavor of soy beans, wherein the off-flavor of the soy beans is not related to geosmin, the method comprising: providing soy beans in a vacuum tumbler equipped with lifting ribs; tumbling the soy beans in a temperature range from about 0.5°C to about 27°C in an alternating environment of a vacuum and an acidic solution that is not hypotonic and does not comprise sodium, wherein the lifting of the ribs lift the soy beans completely out of the acidic solution when the soy beans are in the vacuum environment; and removing at least a portion of the moisture from the soy beans; wherein said process produces soy beans that have no-off flavor are free of trans fats and retain good flavor is described along with related products.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A23L 1/20 (201/2/01)
USPC - 426/634

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

B. DOCUMENTS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
USPC-426/634

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC-426/634

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PUBWEST, Google Scholar Soy, soya, soy bean, soya bean, flavor, taste, odor, method, process, processing, vacuum, lifting, ribs, arms, tumbler, massager, chamber, tumbler speed, acid, citric, ascorbic, lactic, tartaric, acetic, benzoic

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>
</table>

Further documents are listed in the continuation of Box C.

Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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Date of the actual completion of the international search
23 May 2012 (23.05.2012)

Date of mailing of the international search report
06 JUN 2012

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