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(54) Title: BLENDER FOR INGREDIENTS INTO SOFT-SERVE FREEZER PRODUCTS

(57) Abstract: An assembly is mounted to a soft serve confection freezer. It includes a set of modules (25) in a circular array and separately replaceable in a magazine. Each module supports a container storing a dry food ingredient in particulate form, and has a motor driven product impeller for controlled discharge of particulates from the container to a blender assembly (90). The blender assembly (90) has a housing and screw-type auger (97) of cooperating configurations and which cooperate with a central passageway (103) for frozen confection flowing from the freezer, to blend solids into the confection and discharge into a customer's container for immediate consumption. Control panel selection (76) of ingredients by the operator according to the customer's order, is provided. Components are arranged to facilitate cleaning.

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : B01F 7/00; 15/02  
 US CL : 366/172.1, 169.1; 222/145.6; 426/565

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. : 366/172.1, 169.1; 222/145.6; 426/565

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**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,291,076 A (FLANIGAN et al) 13 December 1966 (13.12.1966), see entire document.	1-2, 55-61
A	US 2,247,287 A (GERBER) 17 October 1967 (17.10.1967), see figures 6, 8.	1-65
A	US 3,014,437 A (DUTCHESS) 26 December 1961 (26.12.1961), see entire document.	1-65
A	US 5,743,639 A (PUERNER et al) 28 April 1998 (28.04.1998), see entire document.	1-65

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	Symbol
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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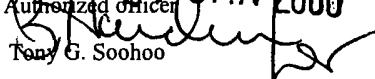
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