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(54) Title: FOOD OR BEVERAGE PROCESSING SYSTEM AND METHOD

(57) Abstract: A food or beverage processing system (110, 210) is disclosed that may be connected to a clean-in-place system (120) having a recirculation line (130, 230) such that a recirculation loop is formed to recirculate an aqueous disinfectant solution through the food or beverage processing system (110, 210), wherein an electrochemical reactor (140) is placed in the recirculation line (130) to generate the aqueous disinfectant solution by electrolysis of water molecules into oxidizing species. A method of disinfecting such a food or beverage processing system and a clean-in-place system (120) for a food or beverage processing system are also disclosed.

FIG. 1
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

INV. B08B9/032 A61L2/03 B65B55/02 B67D1/07
ADD.

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)
B08B A61L B65B B67D

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 practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.
X wo 03/010094 AI (H20 TECHNOLOGIES LTD [US]; OROLIN JOHN J [US]; SCHMIESER TERRY ALLEN [ ] 6 February 2003 (2003-02-06) cited in the application abstract; figure 1 1, 4, 5, 8, 9, 11-13
Y page 1, line 7 - page 3, line 16 page 5, line 15 - page 9, line 14 2, 3, 7 6, 14-19
X EP 1 101 544 AI (JYONAN ELECTRIC IND CORP LTD [JP]) 23 May 2001 (2001-05-23) abstract; figures 2-7 1, 6, 8-10, 12 7

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

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