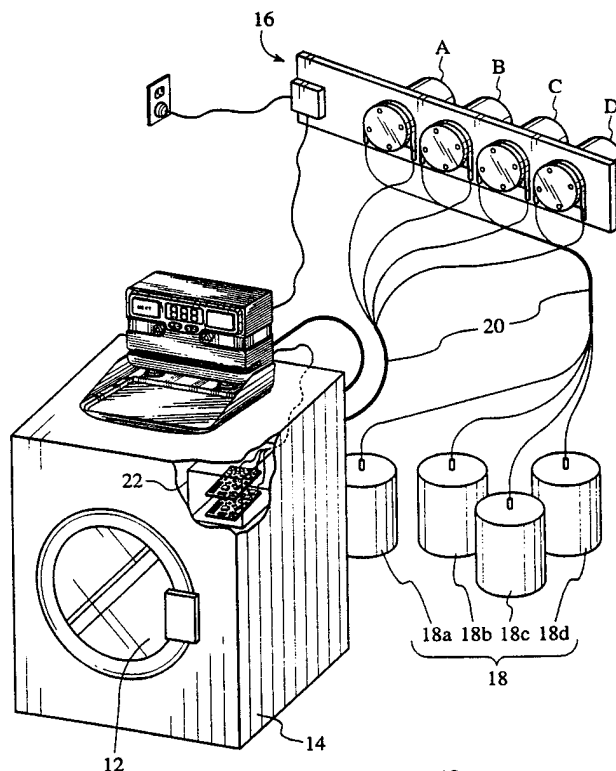




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(54) Title: CHEMICAL DISPENSING SYSTEM USING KEYBOARDLESS DATA ENTRY



(57) Abstract

A chemical dispensing system features a card reader in data communication with a controller to programmably control the transfer of chemicals between a supply of chemicals (fig. 1, #18) and a washing chamber (fig. 1, #14) while allowing retention of a permanent record of the programmed status of the controller.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US98/07593

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :B67D 5/08, 5/10

US CL :222/59; 68/17

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. : 222/59; 68/17

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)

Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,390,385 A (BELDHAM) 21 February 1995 (21.02.95), column 2, lines 63-68, column 3, lines 22-31, column 4, lines 6-13, fig.1.	1-22
Y	US 5,225,977 A (HOOPER et al.) 06 July 1993 (06.07.93), fig.3, column 7, lines 33-36, column column 14, lines 5-15.	1-22
A	US 5,392,618 A (LIVINGSTON et al.) 28 February 1995 (28.02.95), abstract, column 2, lines 58-65, column 3, lines 1-15, column 5, lines 1-18.	1,4,5,8-11,13-16,19-22
A	US 5,500,050 A(CHAN et al.) 19 March 1996 (19.03.96), fig.1, column 18, lines 26-65, abstract, column 6, lines 38-64.	1,4,5,8-11,13-16,19-22

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Date of the actual completion of the international search

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,564,595 A(MINNISSIAN) 15 October 1996 (15.03.96), column 3, lines 8-47, column 5, lines 7-17, column 10, lines 6-28.	1,4,5,8-11,13- 16,19-22

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/07593

B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

APS

search terms: chemical, dispensing, dispenser, systems, washing, washer, apparatus, machine, detergent, liquid, control, card, reader