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(71) Applicant (for all designated States except US): **MIXTEK SYSTEM, LLC** [US/US]; 150 Central Park South, Suite 3210, New York, New York 10019 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GRAY, Richard** [US/US]; 150 Central Park South, Suite 3210, New York, New York 10019 (US). **MEARS, Christopher** [US/US]; 5 Furance Road, Chester, New Jersey 07930 (US). **CRIST, Ryan** [US/US]; 420 Whitewater Avenue, Jefferson, Wisconsin 53549 (US). **KOPP, Tony** [US/US];

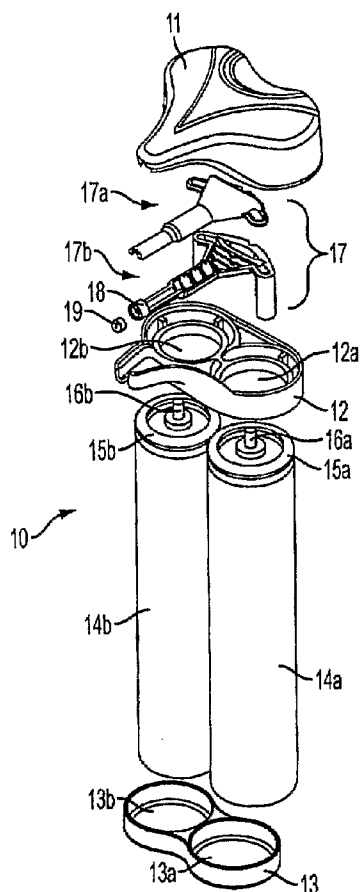
1353 South 106 Street, West Allis, Wisconsin 53214 (US). **ROHR, Jason** [US/US]; N34W2311 Circle Ridge # 105, Pewaukee, Wisconsin 53072 (US). **NEMEC, Bruce** [US/US]; 3772 Sunhill Road, Madison, Wisconsin 53718 (US). **DALLAS, Milton** [US/US]; W754 Harmony Lane, East Troy, Wisconsin 53120 (US). **WESTMAN, Mort** [US/US]; 8 Ivy Lane, Oak Brook, Illinois 60523 (US).

(74) Agent: **HADDAWAY, Keith G.**; Venable LLP, P.O. Box 34385, Washington, District of Columbia 20043-9998 (US).

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(54) Title: DISPENSING DEVICE FOR MULTIPLE CONSTITUENT SYSTEMS



(57) Abstract: A dispensing device is provided which may include a nozzle adapted to receive and dispense a plurality of pressurized constituents. The nozzle may include an inlet portion; an outlet portion spaced from the inlet portion; and an actuation member receiving portion. The dispensing device may further include a head configured to receive the nozzle therein. The head may include a bottom part mountable atop a plurality of pressurized containers, and a top part adapted to be received on the bottom part of the head so as to substantially enclose the nozzle. The top part of the head may include a resilient actuation portion formed integrally thereon and adapted to be depressed by a user and an actuation member disposed on an internal surface of the resilient actuation portion of the head for contacting the nozzle actuation member receiving portion. In operation, when the nozzle and the head are mounted atop the plurality of pressurized containers and the resilient actuation portion of the head is depressed by the user, the nozzle may shift relative to the head so as to release the pressurized constituents from each of the plurality of pressurized containers into the nozzle for dispensing therefrom.



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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B65D 81/32 (2007.01)

USPC - 222/135, 145.1, 145.5, 145.6

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)

IPC(8) - B65D 81/32 (2007.01)

USPC - 222/135, 145.1, 145.5, 145.6, 183; 239/304, 414, 600

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)

USPTO WEST System (US, USPG-PUB, EPO, DERWENT), MicroPatent, IP.com, DialogPro

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X | US 4,773,562 A (GUERET) 27 September 1988 (27.09.1988) entire document | 1-4,8 and 13-15 |
| Y | | 5,6,7,9-12 and 16 |
| Y | US 5,129,581 A (BRAUN et al) 14 July 1992 (14.07.1992) Figure 6 | 5, 9-12 and 16 |
| X | US 5,899,360 A (MACK et al) 04 May 1999 (04.05.1999) Figure 12 | 17 |
| Y | | 6, 7 |
| A | US 4,880,143 A (MURRAY et al) 14 November 1989 (14.11.1989) entire document | 1-17 |
| A | US 3,236,457 A (KENNEDY et al) 22 February 1966 (22.02.1966) entire document | 1-17 |
| A | US 3,575,319 A (SAFIANOFF) 20 April 1971 (20.04.1971) entire document | 1-17 |
| A | US 4,826,048 A (SKORKA et al) 02 May 1989 (02.05.1989) entire document | 1-17 |



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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

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Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
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