

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092006 A3

(51) International Patent Classification:
B05B 1/04 (2006.01)

(21) International Application Number:
PCT/US2005/009176

(22) International Filing Date: 18 March 2005 (18.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/554,778 20 March 2004 (20.03.2004) US

(71) Applicant (for all designated States except US): **CONAIR CORPORATION** [US/US]; One Cummings Point Road, Stamford, CT 06902 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LO, Eddie** [CN/CN]; 14/F, Phase 1, Leader Ind. Centre, 188-202 Texaco Road, Tsuen Wan (CN). **COHEN, Martin, A.** [US/US]; 74 Peaceable Hill Road, Ridgefield, CT 06877 (US).

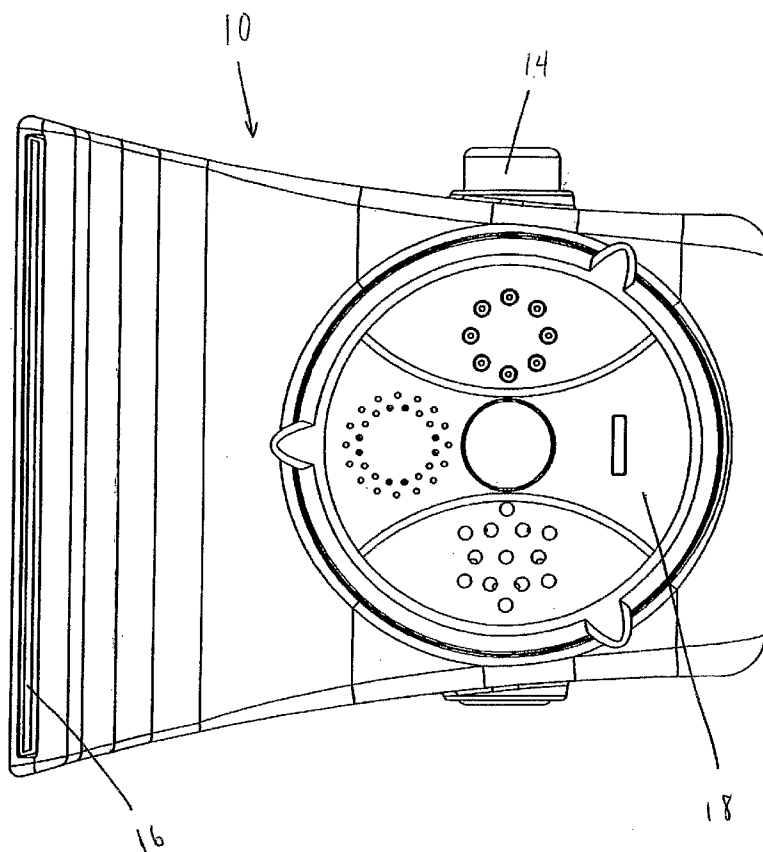
(74) Agent: **GARNER, Steven, A.**; Conair Corporation, One Cummings Point Road, Stamford, CT 06902 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: COMBINATION SHOWERHEAD WITH WATERFALL NOZZLE



(57) Abstract: A shower attachment has a plurality of conventional shower outlet ports (18) and a waterfall nozzle (16) in fluid communication with a water inlet (12), and has a valve selector button (14) to selectively choose waterflow through the shower ports (18) or though the waterfall nozzle (16).

WO 2005/092006 A3



Published:

— with international search report

(88) Date of publication of the international search report:

31 May 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/09176

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B05B 1/04**(2006.01)

USPC: 239/592

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. : 239/390,394,395,436,439,440,443,445,447,556,592,594,597,598,599

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 586,955 A (Askins) 27 July 1897 (27.07.1897), figures 1-3	1-6
X	US 5,690,282 A (Guo) 25 November 1997 (25.11.1997), figures 1-3	1-6
X	US 4,903,897 A (Hayes) 27 February 1990 (27.02.1997), figure 1	1-6

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* 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 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)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

29 January 2007 (29.01.2007)

Date of mailing of the international search report

13 MAR 2007

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

Facsimile No. (571) 273-3201

Authorized officer

Kevin P. Shaver

Telephone No. 571 272 4720