

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C01B 13/10, D06L 3/04, D06F 17/12	A1	(11) International Publication Number: WO 00/39025 (43) International Publication Date: 6 July 2000 (06.07.00)
(21) International Application Number: PCT/KR99/00825 (22) International Filing Date: 28 December 1999 (28.12.99) (30) Priority Data: 1998/59613 28 December 1998 (28.12.98) KR (71) Applicant: DAEWOO ELECTRONICS CO., LTD. [KR/KR] 541, 5-ga, Namdaemoon-ro, Jung-ku, Seoul 100-095 (KR). (72) Inventors: KWAK, Shin-Ung; 102-306, Daerim Apt., Hyosung 1-dong, Kweyang-gu, Incheon 407-041 (KR). YOON, Chong-Man; 1-205, Kyongnam Apt., 207-5, Banghawl-dong, Kangseo-gu, Seoul 157-221 (KR). NAM, Sang-Seon; 1407, Lifecity Apt., Galhyun 2-dong, Eunpyung-gu, Seoul 122-052 (KR). KANG, Su-Hiang; 4-406, Samsung Apt., 924-3, Dongchun-dong, Yunsu-gu, Incheon 406-130 (KR). MOON, Jong-Yeol; 211-1401, Hyundai Apt., Sangok 3-dong, Pupyong-gu, Incheon 403-023 (KR). YOU, Hae-Sang; 40-26, Changyoung-dong, Dong-gu, Incheon 401-050 (KR). (74) Agent: NAM, Sang-Sun; The Korea Chamber of Commerce & Industry Building, 8th floor, 45, 4-ga, Namdaemoon-ro, Jung-ku, Seoul 100-094 (KR).	(81) Designated States: AU, BR, CA, CN, ID, IN, JP, MX, RU, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(54) Title: RADICAL GENERATING SYSTEM (57) Abstract A radical generating system integrates a bubble generating means, an ozone generating means, and a radical changing means. In the radical generating system, the bubble generating means generate air for generating air bubbles and pumping. The ozone generating means applies high voltage to the air bubbles and ozone introduced from the bubble generating means in order to produce ozone. The radical changing means changes the ozone which is introduced from the ozone generating means into a first active oxygen radical. The housing has the bubble generating means, the ozone generating means, and the radical changing means all formed integrally. The radical generating system sterilizes bacilli such as bacteria, viruses, mold, fungi, or algae which live in the water or air. The radical generating system also improves washing effect of a washing machine by oxidizing and bleaching actions of radicals.		