



- (51) **International Patent Classification:**
A61L 12/08 (2006.01) *B08B 3/08* (2006.01)
- (21) **International Application Number:**
PCT/US2012/026249
- (22) **International Filing Date:**
23 February 2012 (23.02.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/445,910 23 February 2011 (23.02.2011) US
61/547,598 14 October 2011 (14.10.2011) US
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- (81) **Designated States (unless otherwise indicated, for every
kind of national protection available):** AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every
kind of regional protection available):** ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(54) **Title:** CONTACT LENS CLEANING SYSTEM WITH MONITOR

(57) **Abstract:** The invention monitors the neutralization process involving hydrogen peroxide solution and a hydrogen peroxide neutralization catalyst and compares measured values with theoretical values. The system monitors the chemical reaction and notifies the user of the neutralization status. In an exemplary embodiment, the initial hydrogen peroxide solution concentration is neutralized with a palladium catalyst after a period of time. A microcontroller analyzes the measurements and displays the neutralization process results using colored LED lights and/or text or images on a LCD display. In one embodiment, an apparatus adapted for use with a cleaning solution used to clean a medical device may include a trigger, a processing device in communication with the trigger, and a display device. The processing device provides a trigger count and the display device communicates with the processing device and displays a message based on the count.

