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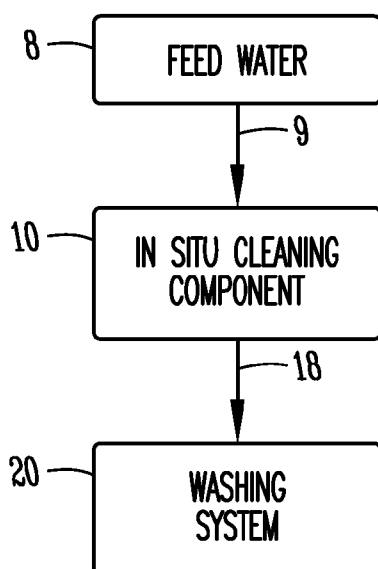
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[Continued on next page]

(54) Title: IN SITU CLEANING SYSTEM



(57) Abstract: In situ cleaning systems and methods of use are disclosed and provide cleaning use solutions with minimal chemical additives providing environmentally-5 friendly cleaning compositions. The in situ cleaning system provides one or more in situ cleaning components, including water treatment components, oxidizing agent generating component and/or alkalinity generating component, providing a cleaning use solution to a washing system.

FIG. 1



ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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.

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A. CLASSIFICATION OF SUBJECT MATTER***B08B 3/08(2006.01)i, C11D 7/50(2006.01)i***

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)

B08B 3/08; C02F 1/52; C02F 5/02; C02F 3/30; C02F 3/00; C02F 9/04; C02F 1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords:oxidizing,alkalinity,hardness

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2003-0132167 A1 (RICHARD A. HAASE) 17 July 2003 See the Abstract; Fig.1; para. 64,65,66, 71,72.	1-16,20-25 17-19
A	JP 05-092198 A (NAIZU SAAT:KK) 16 April 1993 See claim 2; para. 20, 21, 22.	1-25
A	JP 06-091295 A (KEDEM, ORA et al.) 05 April 1994 See claim 3.	1-25
A	US 2003-0111424 A1 (PETER L. ROSEN et al.) 19 June 2003 See the Abstract.	1-25
A	US 2004-0168975 A1 (WILHELMUS PULLES et al.) 02 September 2004 See claim 19.	1-25



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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