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(21) International Application Number: PCT/NL96/00167 (22) International Filing Date: 18 April 1996 (18.04.96) (30) Priority Data: 95/3309 24 April 1995 (24.04.95) ZA (71) Applicant (for all designated States except US): IMPLICCO B.V. [NL/NL]; Atrium Building, Strawinskylaan 3127, NL-1007 JB Amsterdam (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): MACKINTOSH, Grant, Stewart [ZA/ZA]; Forest Reserve, Jonkershoek, Stellen- bosch (ZA). DE VILLIERS, Hendrik, Abraham [ZA/ZA]; 29 Flambeau Street South, Paarl (ZA). LOEWENTHAL, Richard, Eric [ZA/ZA]; Pepperlane, Noordhoek (ZA). (74) Agent: SMULDERS, Th., A., H., J.; Vereenigde Octrooibu- reaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AR, IP patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: STABILIZATION OF WATER		
(57) Abstract The invention provides a process for the stabilization of raw water having a pH of 2,5-9, an alkalinity of at most 50 mg/l expressed as calcium carbonate, a calcium content of at most 100 mg/l expressed as calcium carbonate, and a positive calcium carbonate dissolution potential. The process comprises separating part of the water from the remainder thereof and acidifying said part to increase its calcium carbonate dissolution potential. The acidified water is then fed through a bed of particles comprising calcium carbonate where said water consumes part of the calcium carbonate thereby increasing the calcium content and the alkalinity of the water which issues from the bed. The water issuing from the bed is then mixed with the remainder of the raw water to obtain an at least partially stabilized product water having a positive calcium carbonate dissolution potential which is at least 2 mg/l calcium carbonate less than that of the raw water.		