

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 March 2009 (19.03.2009)

PCT

(10) International Publication Number
WO 2009/034128 A1

(51) International Patent Classification:

E02F 9/20 (2006.01) *E02F 3/00* (2006.01)
E02F 1/00 (2006.01)

(21) International Application Number:

PCT/EP2008/062055

(22) International Filing Date:

11 September 2008 (11.09.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

07116286.1 13 September 2007 (13.09.2007) EP

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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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report

(54) Title: A METHOD AND SYSTEM FOR OPTIMIZING DREDGING

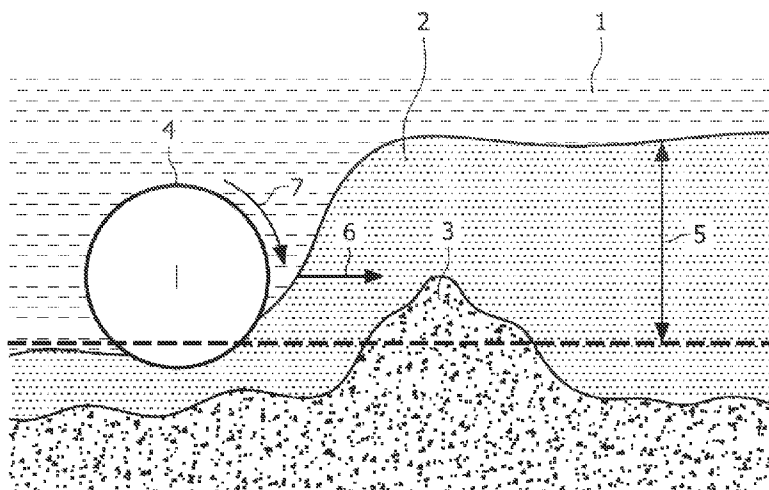


FIG. 1

(57) Abstract: The present invention relates to a method for optimizing the dredging of an area by a dredge equipped with a cutter suction head (4) comprising the steps of : obtaining conventional soil information of the area to be dredged; measuring local soil parameters in and around the position of the cutter head during dredging; calculating dredging parameters for a current and subsequent cutter head position based on the combination of conventional and local soil parameters to optimize yield and cutter wear; and adjusting the dredging parameters so giving optimum efficiency at a current and subsequent cutter head position. It also relates to a system that implements the method.

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