

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 September 2006 (28.09.2006)

PCT

(10) International Publication Number
WO 2006/101652 A1

(51) International Patent Classification:
E02B 11/00 (2006.01)

(21) International Application Number:
PCT/US2006/006127

(22) International Filing Date:
21 February 2006 (21.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/662,913 17 March 2005 (17.03.2005) US
11/094,995 31 March 2005 (31.03.2005) US

(71) Applicant (for all designated States except US): **SUBAIR SYSTEMS, LLC** [US/US]; 510 Bettis Academy Road, Graniteville, SC 29829 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUMMERT, George, T.** [US/US]; 14 Inverness West, Aiken, SC 29803 (US). **HARTENSTEIN, Fredrick, O.** [US/US]; 156 Greenspring Ct., Martinez, GA 30907 (US).

(74) Agents: **FLINT, Cort et al.**; P.O. Box 10827, Greenville, SC 29603-0827 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

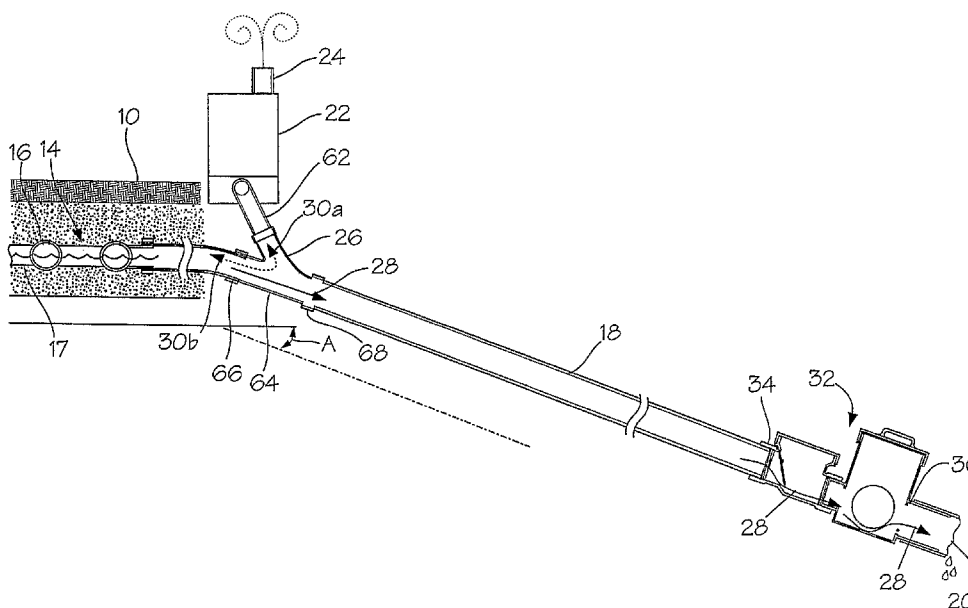
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: TURF PLAYING SURFACE AERATION AND DRAINAGE SYSTEM



(57) Abstract: A perforated pipe network beneath a playing surface. A blower connected to the pipe network drawing an air flow through the pipe network to create a vacuum. A drain pipe connecting to the pipe network. An air/water separator connected upstream of the blower for separating water from the air flow prior to entering the blower and channeling the water into the drain pipe for discharge. A flow control unit having a unit inlet connected to the drain pipe downstream of the air/water separator and a unit outlet discharging water to a drain outlet. The flow control unit blocking air flow through the unit inlet into the drain pipe when the blower is in the vacuum mode, and opening the unit inlet when a waterhead buildup at the unit inlet exceeds the vacuum level established by the blower to discharge water through the drain outlet.

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Published:

— with international search report

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