

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 December 2010 (23.12.2010)

PCT

(10) International Publication Number
WO 2010/146166 A9

(51) International Patent Classification:
F03D 1/04 (2006.01)

(21) International Application Number:
PCT/EP2010/058655

(22) International Filing Date:
18 June 2010 (18.06.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2009/0476 19 June 2009 (19.06.2009) IE
S2009/0598 31 July 2009 (31.07.2009) IE

(71) Applicant (for all designated States except US): **NEW WORLD ENERGY ENTERPRISES LIMITED** [IE/IE]; c/o Adrian Kelly, O'Reilly Dolan Solicitors, 27 Bridge Street, Cootehill, County Cavan (IE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SMYTH, James** [IE/IE]; Tirlahood, Stradon, County Cavan (IE). **SMYTH, Peter** [IE/IE]; Main Street, Granard, County Longford (IE). **SMYTH, David** [IE/IE]; Main Street, Granard, County Longford (IE). **SMYTH, Gerard** [IE/IE]; 24 Higginstown Woods, Granard, County Longford (IE). **SMYTH, Andrew** [IE/GB]; 61 Main Street, Darkley, Armagh (GB).

(74) Agent: **O'NEILL, Brian**; 27 Clyde Road, Dublin, 4 (IE).

(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,

[Continued on next page]

(54) Title: A PRESSURE CONTROLLED WIND TURBINE ENHANCEMENT SYSTEM

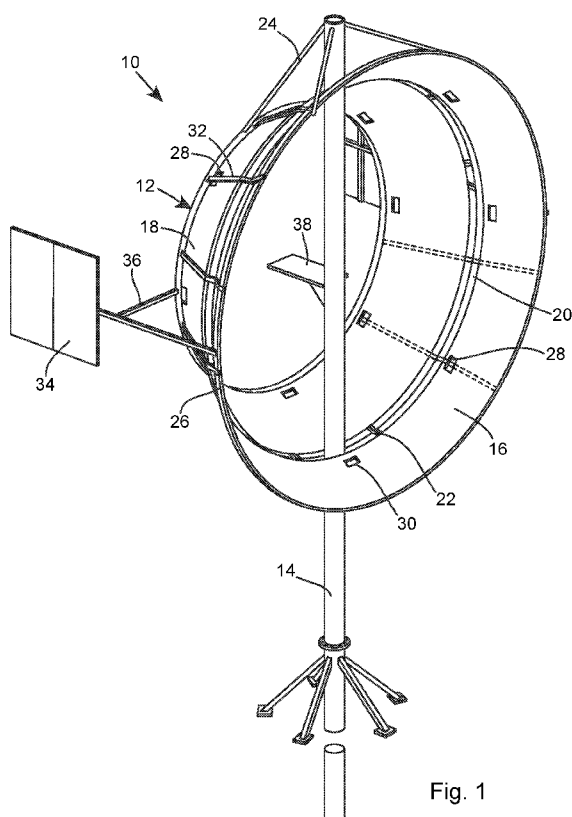


Fig. 1

(57) Abstract: The present invention provides a pressure controlled wind turbine enhancement system which includes a two part conical shroud to be located directly upwind of a turbine in order to augment the natural flow of air past blades of the turbine in a manner which produces increased power output from the turbine.



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.

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, 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, 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))

(48) Date of publication of this corrected version:

28 April 2011

(15) Information about Correction:

see Notice of 28 April 2011

Declarations under Rule 4.17: