



(51) International Patent Classification:
B60L 9/00 (2006.01) *H02P 3/14* (2006.01)

(21) International Application Number:
PCT/US2009/034579

(22) International Filing Date:
19 February 2009 (19.02.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/066,445 19 February 2008 (19.02.2008) US
12/388,457 18 February 2009 (18.02.2009) US

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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, MK, 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).

Published:

— with international search report (Art. 21(3))

(54) Title: ENERGY RECOVERY SYSTEM AND METHOD OF USING THE SAME

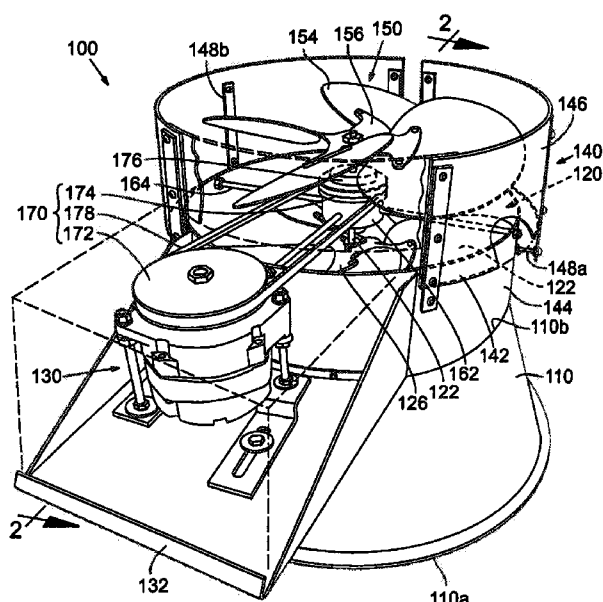


FIG. 1

(57) Abstract: According to some embodiments disclosed herein, an energy recovery system can be characterized as including a conduit having a first end and a second end, wherein the first end of the conduit is configured to receive a gas flow transmitted by a gas flow channel of a gas flow source and wherein the conduit is configured to transmit the received gas flow from the first end thereof toward the second end thereof; a first blade assembly coupled to the conduit, wherein the first blade assembly is configured to be moved when the received gas flow is transmitted from the first end of the conduit; and an electrical generator coupled to the first blade assembly, wherein the electrical generator is configured to generate electricity when the first blade assembly moves. A cross-sectional area of the first end of the conduit may be less than a cross-sectional area of the gas flow channel.