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(71) Applicant (for all designated States except US): **KITE GEN RESEARCH S.R.L.** [IT/IT]; Via Bernardino Telesio 2, I-20145 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **IPPOLITO, Massimo** [IT/IT]; Via Valle Ochera 8, I-14020 Berzano di San Pietro (AT) (IT). **TADDEI, Franco** [IT/IT]; Via Di Crippa 13L, I-23896 Sirtori (LC) (IT).

(74) Agent: **GARAVELLI, Paolo**; A.BRE.MAR. S.R.L., Via Servais, 27, I-10146 Torino (IT).

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(54) Title: WIND ENERGY CONVERTER USING KITES

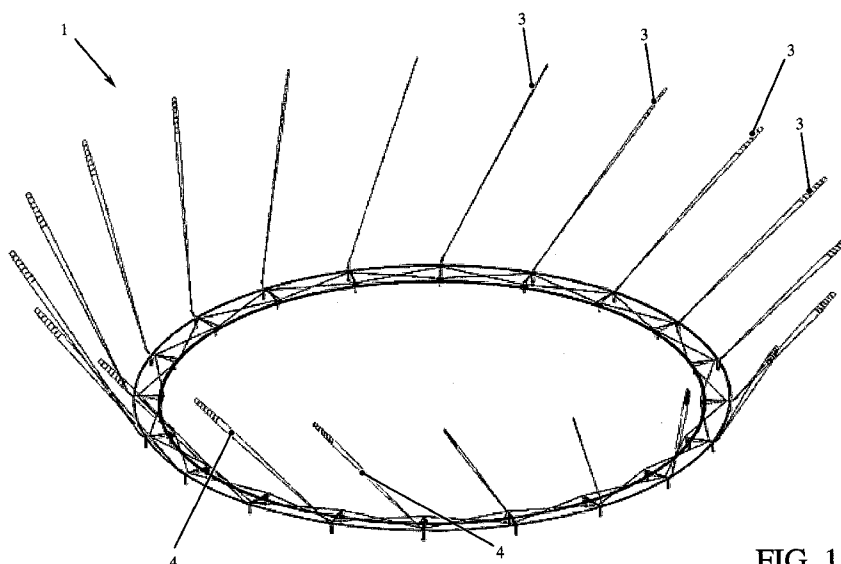


FIG. 1

(57) Abstract: A wind system (1) is described for converting energy comprising at least one kite (2) that can be driven from ground immersed in at least one wind current (W) and at least one module (5) adapted to translate on at least one rail (6; 7) placed next to the ground, such module (5) being connected through at least one rope (4) to the kite (2), in order to drag the module (5) on the rail (6; 7) and to perform a conversion of wind energy into electric energy through at least one electric energy generating system cooperating with module (5) and rail (6; 7) such rope (4) being adapted both to transmit mechanical energy from and to the kite (2) and to control the flight trajectory of the kite (2).

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