

Title (en)
KITE POWER GENERATOR

Title (de)
VORRICHTUNG ZUR ERZEUGUNG VON ENERGIE MITTELS DRACHEN

Title (fr)
GENERATEUR DE PUISSANCE A VOILES

Publication
EP 1937968 A2 20080702 (EN)

Application
EP 06794555 A 20060922

Priority

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Abstract (en)
[origin: WO2007034193A2] The Kitepower Generator uses one or more kites that go through a oscillating cycle of motion creating varying forces on their tether lines. These varying forces are converted into rotation, using a crankshaft. The cycle of motion may be driven by the inherent kite design or through the action of two or more tether lines connected to a crankshaft. The pull from the lines is stronger when they pull out and weaker when they are being pulled in. The cycle of motion may involve flapping, swirling, waving, swooping, veering or feathering. Several kites may be connected or combined into a single composite kite. Efficiency is higher with three or more lines so that one is always pulling out strongly. Various techniques keep kites aloft in still or stormy weather.

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