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(51) International classification	:F03D0003000000, F01D0001040000, F03B0017060000, F03D0003060000, H02K0007102000	(71) <b>Name of Applicant :</b> <b>1)CHITKARA INNOVATION INCUBATOR FOUNDATION</b> Address of Applicant :SCO: 160-161, SECTOR – 9C, MADHYA MARG, CHANDIGARH – 160009, INDIA Email- sachin.ahuja@chitkara.edu.in Mobile No. – 9217730035 Chandigarh India
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(57) Abstract :

A vertical axis twin blade turbine (100), comprising: a body (102) to house components of the turbine (100), wherein the body (102) comprising: a static inlet base (104) equipped with inlets (106a-106n) to enable a fluid to flow inside the turbine (100); a shaft (108) assembled at a center of the body (102) to provide a support to the turbine (100), wherein a base of the shaft (108) comprises a groove (114) to create a sliding connection between the shaft (108) and the static inlet base (104); and blades (116a-116b) adapted to harness kinetic energy of the fluid to convert the kinetic energy of the fluid into mechanical energy such that the blades (116a-116b) are capable to harness the kinetic energy through a difference in a fluid pressure at the inlets (106a-106n) and outlets (118a-118b) of the blades (116a-116b).

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