

Title (en)
VERTICAL AXIS WIND TURBINE

Title (de)
WINDTURBINE MIT VERTIKALER AXE

Title (fr)
EOLIENNE A AXE VERTICAL

Publication
EP 0819217 A4 19980701 (EN)

Application
EP 96910246 A 19960328

Priority
• NZ 9600025 W 19960328
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Abstract (en)
[origin: WO9630647A1] A support structure for a vertical axis wind turbine in which the airfoil blades (1) are spaced radially from a spinning tower (3) by support arms (2) with the airfoil blades (1) being substantially straight and vertically oriented. The weight of the spinning tower (3) and the associated structure is supported by a load bearing (8) located on a fixed post (9) at approximately the mid point of the height of the airfoil blades (1). A lateral bearing arrangement (25) is associated with the lower end of the spinning tower (3) and locates the spinning tower (3) laterally in relation to the fixed post (9).

IPC 1-7
F03D 3/06; **F03D 11/04**

IPC 8 full level
F03D 3/06 (2006.01); **F03D 13/20** (2016.01); **F03D 80/00** (2016.01); **F03D 80/70** (2016.01)

CPC (source: EP)
F03D 80/70 (2016.05); **F05B 2240/214** (2013.01); **Y02E 10/72** (2013.01); **Y02E 10/74** (2013.01)

Citation (search report)
• [Y] GB 2249143 A 19920429 - SUTTON VANE VANE
• [Y] DE 4005685 A1 19911212 - HERTER ERICH [DE]
• [A] US 5299913 A 19940405 - HEIDELBERG GOETZ [DE]
• See also references of WO 9630647A1

Designated contracting state (EPC)
DE DK ES FR GB IE IT NL

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WO 9630647 A1 19961003; AU 5349496 A 19961016; AU 694862 B2 19980730; CA 2216975 A1 19961003; CN 1183134 A 19980527; EP 0819217 A1 19980121; EP 0819217 A4 19980701; JP H11502584 A 19990302

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