

Title (en)
WIND MOTOR WITH INTEGRATED ANTI-SQUALL SYSTEM.

Title (de)
WINDMOTOR MIT EINGEBAUTEM ANTISTURMSYSTEM.

Title (fr)
MOTEUR EOLIEN A SYSTEME ANTI-RAFALES INTEGRE.

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Application
EP 84902346 A 19840615

Priority
FR 8400150 W 19840615

Abstract (en)
[origin: WO8600115A1] The anti-squall system comprises a hub (4) attached to the receiving shaft (3), said hub comprising two housings receiving two support blocks (5, 6) articulated to said hub, the upper surface of said supports (5, 6) receives the corresponding blade foot and a variable radius lever (7, 8) cooperating with an anti-squall damper (9) of which the rod (21) is engaged into the ports (19, 20) of the levers (7, 8). A violent squall with change of direction causes the displacement of the blade (2) and the transfer of the stress to the blade (1) which is oriented to the wind as it moves back, while the damper absorbs part of the energy of the squall.

Abstract (fr)
Le système anti-rafales comporte un moyeu (4) fixé sur l'arbre récepteur (3), ledit moyeu comporte deux logements recevant deux blocs supports (5, 6), articulés sur ledit moyeu, la surface supérieure desdits supports (5, 6), reçoit le pied de pale correspondant et un levier (7, 8) à rayon variable coopérant avec un amortisseur anti-rafales (9) dont la tige (21) est engagée dans les lumières (19, 20), des leviers (7, 8) une violente rafale de vent avec changement de direction provoque le déplacement de la pale (2) et le renvoi de l'effort sur la pale (1) qui s'oriente au vent en reculant cependant qu l'amortisseur absorbe une partie de l'énergie de la rafale.

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