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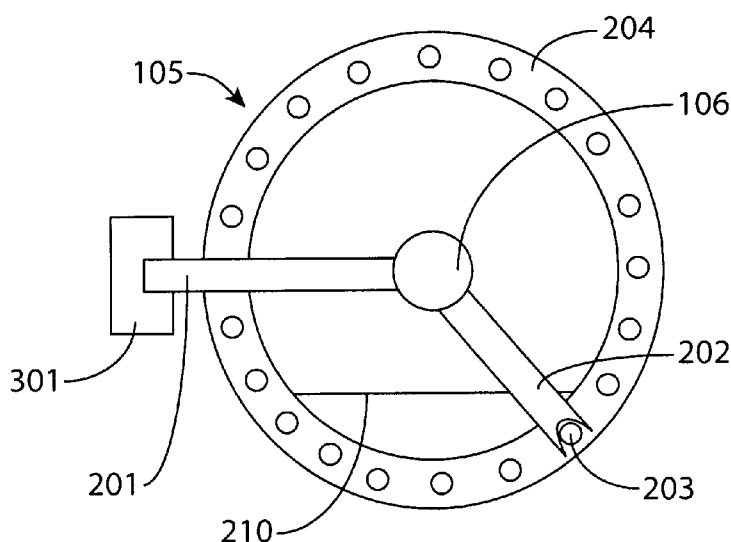
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(54) Title: DIRECT DRIVE WIND TURBINE WITH SLIP RING

Fig. 2a



(57) Abstract: The invention relates to a direct-drive wind turbine comprising a tower with a nacelle, said nacelle being provided with a direct-drive generator and a rotatable hub carrying turbine blades, wherein the direct-drive generator comprises an outer stator and an inner rotor and has a first side facing the turbine blades and a second side facing away from the turbine blades, the nacelle further being provided with a slip ring for transferring power and/or signals from the nacelle to the rotatable hub, said slip ring being mounted coaxially with the centre line of the direct-drive generator. According to the invention, the slip ring is provided at the second side of the direct-drive generator and is mounted on a first arm, the slip ring further being provided with a second arm, wherein an end of said second arm distal to the slip ring is capable of being engaged by the rotor of the direct drive generator or shaft, wherein the assembly of first arm, slip ring and second arm may be at a first position in which the slip ring is aligned with the centre line of the direct drive generator and at a second position to provide access to the hub, wherein the direct-drive wind turbine is provided with a

mounting support capable of guiding the assembly from a third position that is away from the second position to the first position. This allows for free access to the hub via the generator.



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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7 431 567 B1 (BEVINGTON CHRISTOPHER M [US] ET AL) 7 October 2008 (2008-10-07) column 9, line 61 - column 9, line 63; figure 4 column 10, line 34 - column 10, line 64; figure 4 -----	1-10
A	WO 2005/103489 A2 (NORTHERN POWER SYSTEMS INC [US]; BYWATERS G [US]; DANFORTH W [US]; BEV) 3 November 2005 (2005-11-03) page 6, line 15 - page 6, line 18; figure 3 -----	1-10
A	US 2005/082836 A1 (LAGERWEY HENDRIK L [NL] LAGERWEY HENDRIK LAMBERTUS [NL]) 21 April 2005 (2005-04-21) page 1, paragraph 25 - page 1, paragraph 25; figure 2 -----	1-10
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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