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- (71) **Applicant (for all designated States except US):** VESTAS WIND SYSTEMS A/S [DK/DK]; Hedeager 44, DK-8200 Aarhus N (DK).
- (72) **Inventor; and**
- (71) **Applicant (for all designated States except US):** ROLLOV, Brett [US/US]; 23542 Deep Cliff Dr, Katy, Texas 77494 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** SANTOS, Juan Santiago [US/US]; 25922 Summer Savory, Katy, Texas 77494 (US). HOFFMAN, Jason [US/US]; 2350 Bagby St, Houston, Texas 77006 (US).
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(54) **Title:** SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR UTILIZING A WIND PARK AS A VARIABLE POWER SYSTEM STABILIZER

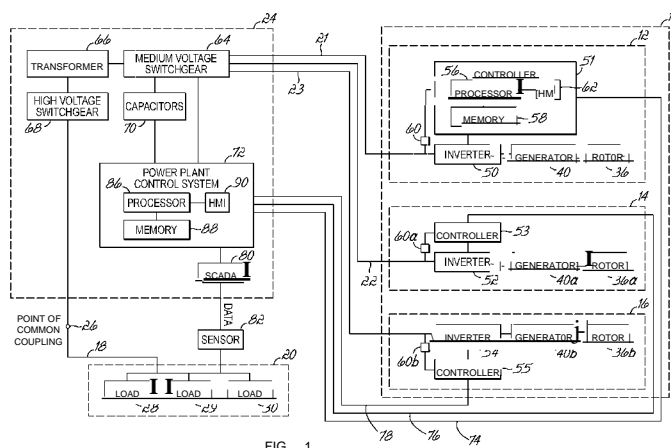


FIG. 1

(57) **Abstract:** System, method, and computer program product for dampening oscillations of the electrical power on a power grid. The system includes a wind park with multiple wind turbines. Each wind turbine includes a rotor, a generator operatively coupled with the rotor for generating electrical power, and an inverter coupling the generator with the power grid to output the electrical power to the power grid. A controller is configured to generate a first control signal to cause the inverter of the first wind turbine to modulate the electrical power output by the first wind turbine for dampening oscillations of one frequency in electrical power on the power grid and to generate a second control signal to cause the inverter of the second wind turbine to modulate the electrical power output by the second wind turbine for dampening oscillations of a different frequency in the electrical power on the power grid.

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	EP 2 182 207 A2 (GEN ELECTRIC [US]) 5 May 2010 (2010-05-05)	1,4,5, 7-9, 17-19		
Y	paragraphs [0014] - [0034]; figures 3,4	2,3,6, 10-16, 20-25		

X	EP 2 175 540 A2 (GEN ELECTRIC [US]) 14 April 2010 (2010-04-14) paragraphs [0015] - [0033]; figure 3	1,7,17		

Y	US 2009/099798 A1 (GONG YANFENG [US] ET AL) 16 April 2009 (2009-04-16) paragraphs [0024] - [0028]	2,3,6, 10-16, 20-25		

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Y	US 2009/222144 A1 (VENKATASUBRAMANIAN VAITHIANATHAN [US] ET AL) 3 September 2009 (2009-09-03) paragraphs [0003] - [0068] -----	2, 3, 6, 10-16, 20-25

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