

Title (en)
SYSTEM AND METHOD FOR INTEGRATING LOCAL MAXIMUM POWER POINT TRACKING INTO AN ENERGY GENERATING SYSTEM HAVING CENTRALIZED MAXIMUM POWER POINT TRACKING

Title (de)
SYSTEM UND VERFAHREN ZUM INTEGRIEREN VON LOKAL-MAXIMALLEISTUNGSPUNKTVERFOLGUNG IN EIN ENERGIEERZEUGUNGSSYSTEM MIT ZENTRALISierter MAXIMALLEISTUNGSPUNKTVERFOLGUNG

Title (fr)
SYSTÈME ET PROCÉDÉ D'INTÉGRATION DE POURSUITE DE POINT DE PUISSANCE MAXIMUM LOCAL DANS UN SYSTÈME DE PRODUCTION D'ÉNERGIE À POURSUITE DE POINT DE PUISSANCE MAXIMUM CENTRALISÉ

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Application
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Priority
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• US 15249108 A 20080514
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Abstract (en)
[origin: WO2009140543A2] A system for integrating local maximum power point tracking (MPPT) into an energy generating system (10) having centralized MPPT is provided. The system (10) includes a system control loop (16,32,22) and a plurality of local control loops (12,14). The system control loop (16,32,22) comprises a system operating frequency, and each local control loop (12,14) comprises a corresponding local operating frequency. Each of the local operating frequencies is spaced apart from the system operating frequency by at least a predefined distance. For a particular embodiment, a settling time corresponding to the local operating frequency of each local control loop (12,14) is at least five times faster than a time constant corresponding to the system operating frequency.

IPC 8 full level
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CPC (source: EP)
H02S 50/10 (2014.12); **Y02E 10/50** (2013.01)

Citation (search report)
• [X] EP 1531542 A2 20050518 - SHARP KK [JP]
• [XI] US 2008097655 A1 20080424 - HADAR RON [US], et al
• [X] US 5327071 A 19940705 - FREDERICK MARTIN E [US], et al
• [A] WO 2005117136 A2 20051208 - SIEMENS AG [DE], et al
• See references of WO 2009140543A2

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