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(71) Applicant: ABB RESEARCH LTD [CH/CH]; Affolternstrasse 44, CH-8050 Zurich (CH).

(72) Inventors; and

(71) Applicants (for US only): PAN, Jiuping [US/US]; 5401 Southern Cross Avenue, Raleigh, NC 27606 (US). QI, Li [CN/US]; 917 Bentbury Way, Cary, NC 27518 (US). LI, Jun [CN/US]; 1120 Carlton Avenue, Apt. 203, Raleigh, NC 27606 (US). REZA, Muhamad [ID/SE]; Klockartorpsgatan 23C, SE-72344 Vasteras (SE). SRIVASTAVA, Kailash [SE/SE]; Bangatan 3D, SE-72228 Vasteras (SE).

(74) Agents: MORTON, Andrew et al.; Renner, Kenner, Greive, Bobak, Taylor & Weber, Fourth Floor, First National Tower, Akron, OH 44308-1456 (US).

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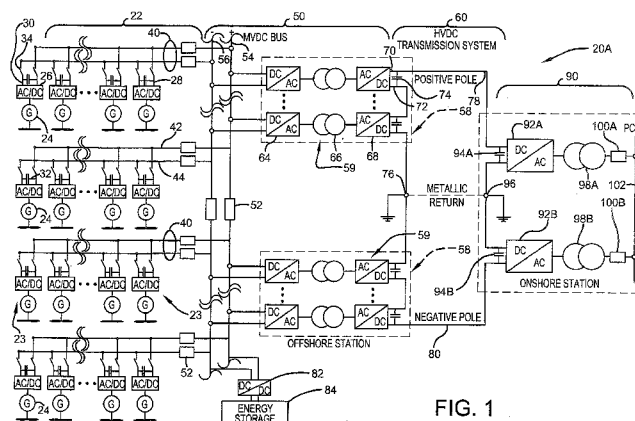


FIG. 1

(57) Abstract: Connection schemes for offshore power generation with an internal collection grid include a power generation system (22) which includes a plurality of generator-rectifier subsystems (23). The scheme further includes a medium voltage DC (MVDC) collection network with positive pole cables (42) and negative pole cables (44) connected to the DC outputs of the generator-rectifier subsystems (23). At least one offshore substation (50) includes a positive bus bar (54) and a negative bus bar (56) correspondingly connected to the positive pole cables (42) and negative pole cables (44) of the MVDC collection network and a plurality of main DC-DC converters (58). Each main DC-DC converter (58) includes modules connected to the MVDC bus bars (54, 56) and each module has a positive and a negative output with the modules' outputs serially connected to one another. The schemes may also include a high voltage DC transmission system connected to the modules' outputs and at least one DC/AC converter at a substation.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/024254

A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 2 341 594 A1 (CONVERTEAM TECHNOLOGY LTD [GB]) 6 July 2011 (2011-07-06) figures 9,13 -----	1

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Further documents are listed in the continuation of Box C.

☒

See patent family annex.

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Poth, Hartwig

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2341594	A1	06-07-2011	NONE
