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- (54) Title: HVDC POWER TRANSMISSION WITH CABLE FAULT RIDE-THROUGH CAPABILITY

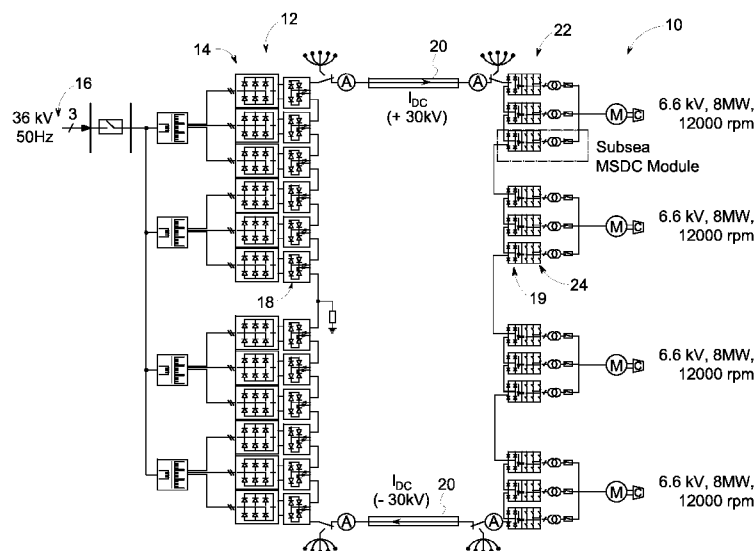


FIG. 1

- (57) Abstract: A high voltage direct current (HVDC) power transmission system includes a cable fault ride-through system. The cable fault ride-through system is configured to ensure the HVDC power transmission system remains operational via an earth path between the power source end and the load end during a transmission cable fault, even in the absence of a neutral bus and/or dc circuit breakers. The return current is transferred via earth electrodes to earth, like e.g. the surrounding water in a sub-sea environment.



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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2009/316446 A1 (ASTROEM URBAN [SE] ET AL RADBRANT ULF [SE] ET AL) 24 December 2009 (2009-12-24) the whole document	1-37
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Further documents are listed in the continuation of Box C.



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	US 3 968 419 A (EKSTROM AKE) 6 July 1976 (1976-07-06) -----	7
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INTERNATIONAL SEARCH REPORT

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