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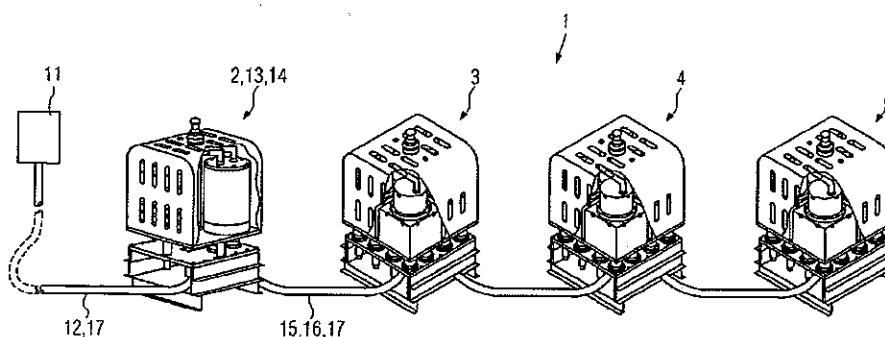


FIG. 1

(57) Abstract: A power and signal distribution system (1) comprises a plurality of converter and control units (2, 3). Those units are particularly arranged in areas difficult to access, for instance on the sea bed. At least one control unit (3 - 10) is connected to at least one converter unit (2) for transmitting power and signals and said converter unit (2) is connected to a remote monitoring and supplying device (11) via at least one cable connection (12). Each control unit (3 - 10) has assigned thereto on sight at least one production apparatus for crude oil or natural gas where the corresponding means, such as gate valves, chokes, biops actuators, etc. biops actuators, etc. To improve such a power and signal distribution system such that also several production places can be fed at a large distance in a simple constructional way and without any major modifications of formerly used units, a plurality of control units (3 - 10) are connected to a converter unit (2), each for transmitting power and signals or data, which converter unit (2) comprises at least a data separation means (13) and a voltage converter (14), with converted voltage of each voltage unit (3 - 10) being transmittable with data/signals assigned to the respective control unit (3, 10).

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