

FLOATING OFFSHORE FACILITY AND METHOD FOR SUPPLYING ELECTRIC  
POWER IN FLOATING OFFSHORE FACILITY

ABSTRACT

This floating offshore facility (1) is configured such that: the propulsion system for moving the floating offshore facility (1) is configured by an electric propulsion system (20) which uses electric motors (22a and 22b) to drive a propeller (21); a first group of electric generators (11a, 11b, 12a, and 12b) is arranged on the upper deck (3), while a second group of electric generators (13a and 13b) is arranged in an engine room (5); and electric power for running production equipment (30) on the floating offshore facility (1) is supplied by both the first and second groups, while electric power for driving the electric motors (22a and 22b) is supplied by the second group. This configuration significantly reduces the space taken up by the engine room (5) where the propulsion system, which is used when navigating to an offshore site for installation but is otherwise unnecessary in operation on the sea, is arranged, and thereby significantly increases the space that can be used by the offshore production equipment (30) and by a hold (6) for storage.

(Fig. 1)