

APPARATUS AND METHOD FOR SUPPLYING HYBRID POWER OF OFFSHORE PLANT

【ABSTRACT】

The present invention relates to an apparatus and method for supplying hybrid power using a regenerative power generated in a marine plant. An embodiment of the present invention provides a hybrid power supply apparatus in a marine plant, the hybrid power supply apparatus comprising: a generator; an AC/DC converter which converts an alternating current produced by the generator into a direct current and supplies the direct current to a DC bus; a power load which is connected to the DC bus and generates a regenerative power; a first DC/DC converter which is connected to the DC bus; a first power storage unit which is connected to the first DC/DC converter and stores power; and a first resistor unit which is connected to the first DC/DC converter and consumes power when the first power storage unit's capacity is full.

Figure 3