

【ABSTRACT】

The present disclosure relates to an oxygen generator with improved noise and vibration reduction, compactness, and user convenience. The oxygen generator comprises a gas separation membrane 210 module comprising: gas separation membranes 210 formed of a bundle of hollow fiber membranes; an atmospheric air inlet 285, to one end of which one end of the gas separation membranes 210 is bonded, sealed, and attached, and the other end of which air in the atmosphere enters; a nitrogen outlet 286, to one end of which the other end of the gas separation membranes 210 is bonded, sealed, and attached, and the other end of which nitrogen exits; a guide rail 290 where the gas separation membranes 210 are wound in a coil and stored on an inner surface thereof; a gas separation membrane module casing containing the guide rail where the gas separation membranes 210 are stored. Therefore, there is no need to increase the size of the gas separation membrane module, even with the presence of a plurality of gas separation membranes.