

ABSTRACT

A method for fixing carbon dioxide in exhaust gas, a plasma catalyst generating device for capturing carbon dioxide in exhaust gas, and a device for fixing carbon dioxide in exhaust gas comprising the same are provided. The method for fixing carbon dioxide in exhaust gas comprises: a first step of injecting an alkali metal compound into a plasma to form a plasma catalyst; and a second step of discharging the plasma catalyst into an exhaust gas containing carbon dioxide to capture the carbon dioxide in the exhaust gas.