

ABSTRACT

A fuel supply system (1A) according to one embodiment includes: a tank (2) that stores liquefied hydrogen; and a fuel supply line (3) through which the liquefied hydrogen is led out of the tank (2). A first pump (4A), an agitator (5), and a second pump (4B) are located on the fuel supply line (3). The second pump (4B) increases a pressure of the liquefied hydrogen such that the liquefied hydrogen has a pressure higher than or equal to a critical pressure. The fuel supply system (1A) further includes a reflux flow line (7) that is branched off from the fuel supply line (3) at a position downstream of the second pump (4B) and connects to the agitator (5) and on which a pressure reducing valve (71) is located. The agitator (5) agitates hydrogen gas that is generated as a result of pressure reduction by the pressure reducing valve (71) with the liquefied hydrogen flowing through the fuel supply line (3) to condense the hydrogen gas.