ABSTRACT

A method for producing hydrogen, the method including: a hydrogenation step of performing hydrogenation and a treatment including at least one selected from the group consisting of desulfurization treatment, denitrogenation treatment, demetallization treatment, and hydrocracking on a mixture containing an aromatic compound and an unsaturated hydrocarbon compound in an environment exceeding 250°C, to obtain a hydrogenated hydrocarbon compound; a transportation step of transporting the hydrogenated hydrocarbon compound from a first location to a second location; and a dehydrogenation step of recovering hydrogen from the transported hydrogenated hydrocarbon compound.

[Fig .1]