METHOD OF MANUFACTURING GAS OIL CONTAINING LOW-SULFUR AND LOW-AROMATIC-COMPOUND

ABSTRACT

There is provided a method of manufacturing gas oil containing low-sulfur and low-aromatic-compound, said method comprising a first step of putting distilled petroleum to contact with hydrogen gas in the presence of a hydrotreating catalyst to reduce the sulfur concentration to not higher than 0.05 wt% and a second step of reducing the aromatic compound concentration in the presence of a noble metal type catalyst, at least a pair of high temperature high pressure gas liquid separators are arranged between the two steps to separate the gaseous and liquid components of distilled petroleum and hydrogen gas or hydrogen containing gas is introduced into the liquid component in each of the separators.