

ABSTRACT**PROCESS WITH SEPARATION FOR TREATING
PETROLEUM FEEDSTOCKS FOR THE PRODUCTION OF FUEL OILS
WITH A LOW SULFUR CONTENT**

The present invention relates to a process for treating heavy petroleum feedstocks for the production of fuel oils and fuel oil bases, especially bunker fuels and bunker fuel bases, with a low sulfur content. This process comprises a step (a) of fixed-bed hydrotreatment of a heavy sulfurous hydrocarbon feedstock, followed by a step (b) of separation of the effluent obtained from the hydrotreatment step (a) into at least one light fraction and at least one heavy fraction, a step (c) of hydroconversion of at least part of the heavy fraction of the effluent obtained from step (b) in at least one ebullated-bed reactor containing a supported catalyst, and a step (d) of separation of the effluent obtained from step (c) to obtain at least one gaseous fraction and at least the said liquid hydrocarbon fraction.

Figure 1