

**ABSTRACT**

**PROCESS AND INSTALLATION FOR THE CONVERSION OF CRUDE OIL TO PETROCHEMICALS HAVING AN IMPROVED PROPYLENE YIELD**

The present invention relates to an integrated process to convert crude oil into petrochemical products comprising crude oil distillation, aromatic ring opening, and olefins synthesis, which process comprises subjecting a hydrocarbon feed to aromatic ring opening to produce LPG and subjecting the LPG produced in the integrated process to olefins synthesis. Furthermore, the present invention relates to a process installation to convert crude oil into petrochemical products comprising a crude distillation unit comprising an inlet for crude oil and at least one outlet for kerosene and/or gasoil; an aromatic ring opening unit comprising an inlet for a hydrocarbon feed to aromatic ring opening and an outlet for LPG; and a unit for the olefins synthesis comprising an inlet for LPG produced by the integrated petrochemical process installation and an outlet for olefins. The hydrocarbon feed subjected to aromatic ring opening comprises kerosene and/or gasoil produced by crude oil distillation in the process; and refinery unit-derived middle-distillate produced in the process. The process and the process installation of the present invention have an increased production of petrochemicals at the expense of the production of fuels and an improved propylene yield.

NO SUITABLE FIGURE