

Title (en)  
PROCESS FOR THE THERMAL CONVERSION OF HEAVY PETROLEUM FRACTIONS AND OF REFINING RESIDUES IN THE PRESENCE OF OXYGENATED SULFUR OR NITROGEN COMPOUNDS, AND COMPOSITIONS CONTAINING THESE COMPOUNDS

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Application  
**EP 87402609 A 19871119**

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Abstract (en)  
[origin: US4869804A] A process for the thermal conversion of various fossil organic materials such as heavy crude oils, heavy petroleum fractions or refining residues, is described. According to the invention, the charge is subjected to thermal processing in the presence of a minor proportion of at least one radical-generating monooxygenated compound, containing at least one heteroelement selected from sulfur, and nitrogen and in which the oxygen is borne by said heteroelement. The conversion is improved with a composition comprising a hydrogen donor diluent and this monooxygenated compound in a weight ratio of 0.2:1 to 400:1. The invention is useful in the petroleum industry and the coal industry and particularly in the process of hydrovisbreaking.

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**C10G 9/007** (2013.01 - EP US); **C10G 47/34** (2013.01 - EP US)

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