

Title (en)  
Desulphurization of oil.

Title (de)  
Entschwefelung von Öl.

Title (fr)  
Désulfurisation d'huile.

Publication  
**EP 0020053 A1 19801210 (EN)**

Application  
**EP 80301580 A 19800514**

Priority  
AU PD894679 A 19790525

Abstract (en)  
Sulphur present in petroleum oils represents a very undesirable pollutant when the oils are burnt. A process of treating oil containing sulphur is provided wherein the oil is contacted with hydrogen fluoride. The hydrogen fluoride converts the sulphur to a sulphur fluoride which may be removed from the oil. The sulphur fluoride may then be converted to other forms of sulphur thus allowing for regeneration of the hydrogen fluoride for reuse in the process.

IPC 1-7  
**C10G 17/07**

IPC 8 full level  
**C10G 29/02** (2006.01); **C10G 17/07** (2006.01)

CPC (source: EP)  
**C10G 17/07** (2013.01)

Citation (search report)

- GB 1547664 A 19790627 - EXXON RESEARCH ENGINEERING CO
- US 2343841 A 19440307 - BURK ROBERT E
- US 2971905 A 19610214 - HERMAN BIEBER, et al
- GB 732068 A 19550615 - STANDARD OIL CO
- FR 1138769 A 19570619 - BATAAFSCHE PETROLEUM
- US 2581064 A 19520101 - ARCHIBALD FRANCIS M
- US 2643971 A 19530630 - LIEN ARTHUR P, et al
- CHEMICAL ABSTRACTS, Vol. 68, Nr. 12, March 11, 1968, ref. 51529r page 5506, column 1 Columbus Ohio (US) D.F. VARFOLOMEEV et al.: "Refining of highly unsaturated sulfurous distillates of thermal origin" \* The whole document \*

Cited by  
EP1876221A1; WO2008003790A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0020053 A1 19801210**; AU 5824080 A 19801127; JP S55157680 A 19801208; ZA 802983 B 19810527

DOCDB simple family (application)  
**EP 80301580 A 19800514**; AU 5824080 A 19790525; JP 6632280 A 19800519; ZA 802983 A 19800520