

Title (en)

AMMONIUM SALTS OF POLYMALEIC ACID AND THEIR APPLICATION AS CORROSION INHIBITORS IN MINERAL OILS

Publication

**EP 0050736 B1 19840118 (DE)**

Application

**EP 81107454 A 19810919**

Priority

DE 3039977 A 19801023

Abstract (en)

[origin: US4435298A] Salts of polymaleic acids, having molecular weights of from 200 to 1,500, with amines, of the formula <IMAGE> where R1 and R2 are identical or different and each is hydrogen, C9-C20-alkyl or C9-C20-alkenyl and R3 is C9-C20-alkyl or C9-C20-alkenyl.

IPC 1-7

**C10L 1/22**

IPC 8 full level

**C10L 1/22** (2006.01); **C10L 1/222** (2006.01); **C10L 1/224** (2006.01)

CPC (source: EP US)

**C10L 1/2222** (2013.01 - EP US); **C10L 1/224** (2013.01 - EP US)

Cited by

EP0065191A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0050736 A1 19820505**; **EP 0050736 B1 19840118**; AT E5892 T1 19840215; CA 1180031 A 19841227; DE 3039977 A1 19820603; DE 3161978 D1 19840223; US 4435298 A 19840306

DOCDB simple family (application)

**EP 81107454 A 19810919**; AT 81107454 T 19810919; CA 388536 A 19811022; DE 3039977 A 19801023; DE 3161978 T 19810919; US 30676581 A 19810929