

Title (en)

USE OF (METH)ACRYLIC ACID AND MALEIC ACID COPOLYMERS AS INCRUSTATION INHIBITORS IN DETERGENTS

Publication

**EP 0025551 B1 19820922 (DE)**

Application

**EP 80105230 A 19800903**

Priority

DE 2936984 A 19790913

Abstract (en)

[origin: EP0025551A1] 1. Use of copolymers which, based on the weight of the polymers, contain 40 to 90% of acrylic or methacrylic acid and 60 to 10% of maleic acid as copolymerized units, or of their alkali metal or ammonium salts as incrustation inhibitors in detergents.

IPC 1-7

**C08L 33/00**; **C08L 35/00**; **C11D 3/37**

IPC 8 full level

**C08L 33/00** (2006.01); **C08L 35/00** (2006.01); **C11D 3/00** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

**C11D 3/3761** (2013.01)

Cited by

US5126069A; US5273675A; US5925610A; US5866012A; US4889644A; EP0124913A1; EP0054325A1; US5656646A; DE3444960A1; US5501810A; US5296470A; EP0066915A3; US5358655A; GB2178052A; US4732697A; EP0377448A3; US4980088A; EP0133566A3; EP0441197A3; US5227446A; US4647396A; EP0763092A4; EP0414285A1; US5292448A; US4820436A; DE3340164A1; WO9001533A1; US8912135B2; LT3047B; WO9005175A1; WO9012821A1; EP0256366B1

Designated contracting state (EPC)

AT BE DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0025551 A1 19810325**; **EP 0025551 B1 19820922**; **EP 0025551 B2 19930107**; AT E1589 T1 19821015; DE 2936984 A1 19810402; DE 3060877 D1 19821104

DOCDB simple family (application)

**EP 80105230 A 19800903**; AT 80105230 T 19800903; DE 2936984 A 19790913; DE 3060877 T 19800903