

Title (en)

Use of telomers formed from mercaptans and acrylic compounds as scale and/or corrosion inhibitors.

Title (de)

Verwendung von Telomerisaten aus Mercaptanen mit Acrylverbindungen als Steinschutz- und/oder Korrosionsschutzmittel.

Title (fr)

Utilisation de télomères formés de mercaptans et de composés acryliques comme inhibiteurs d'entartrage et/ou de corrosion.

Publication

EP 0000337 A1 19790124 (DE)

Application

EP 78100185 A 19780619

Priority

DE 2730645 A 19770707

Abstract (en)

Use of telomers formed from telogens containing mercaptan groups and acrylic compounds as scale and/or corrosion inhibitors. Telomers of the general formula <IMAGE> or <IMAGE> where R is an aliphatic radical of 2 to 22 carbon atoms which may contain one or more carboxyl and/or hydroxyl groups, X is H or methyl, M is an alkali metal ion, and n and m are integers of a magnitude such that the telomers have an average molecular weight between 300 and 3000, in particular 700 to 2000, and where some of the nitrile groups can also be hydrolysed to amide groups, as scale and/or corrosion inhibitors in industrial process water systems instead of phosphorus- containing substances in an amount of 0.1 to 100, in particular from 1 to 30, ppm, based on the process water.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 3787488 A 19740122 - GREENFIELD G
- [A] FR 1552899 A 19690110
- [A] DE 2027276 A1 19711230

Cited by

EP1122279A3; CN114291909A; EP1122280A3; AU624177B2; EP0025125A1; US6472139B1; WO2013167583A1

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