

Title (en)  
NOVEL COMPOSITIONS FOR REDUCING CRYSTALLIZATION OF PARAFFIN CRYSTALS IN FUELS

Title (de)  
NEUE ZUSAMMENSETZUNGEN ZUR VERMINDERUNG DER KRISTALLISATION VON PARAFFINKRISTALLEN IN KRAFTSTOFFEN

Title (fr)  
NOUVELLES COMPOSITIONS DE RÉDUCTION DE CRISTALLISATION DE CRISTAUX DE PARAFFINE DANS DES CARBURANTS

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Application  
**EP 21172949 A 20210510**

Priority  
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Abstract (en)  
The invention relates to novel compositions for reducing crystallization of paraffin crystals in fuels.

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Citation (applicant)

- EP 0857776 A1 19980812 - CLARIANT GMBH [DE]
- US 2474342 A 19490628 - YOUNG DAVID W, et al
- WO 9929748 A1 19990617 - BASF AG [DE], et al
- WO 2005054314 A2 20050616 - BASF AG [DE], et al
- WO 2004035715 A1 20040429 - BASF AG [DE], et al
- EP 0061895 A2 19821006 - EXXON RESEARCH ENGINEERING CO [US]
- US 4491455 A 19850101 - ISHIZAKI TAKAHARU [JP], et al
- WO 9318115 A1 19930916 - EXXON CHEMICAL PATENTS INC [US]
- EP 1526167 A2 20050427 - CLARIANT GMBH [DE]
- EP 1857529 A1 20071121 - CLARIANT INT LTD [CH]
- WO 2016083130 A1 20160602 - BASF SE [DE]
- US 4211534 A 19800708 - FELDMAN NICHOLAS [US]
- EP 0261957 A2 19880330 - EXXON CHEMICAL PATENTS INC [US]
- WO 0044857 A2 20000803 - INFINEUM USA LP [US], et al
- WO 2007147753 A2 20071227 - BASF AG [DE], et al
- A. O. ZOISS ET AL., INDUSTRIAL AND ENGINEERING CHEMISTRY, vol. 41, 1949, pages 73 - 77
- N. A. PLATEV. P. SHIBAEV: "Comb-Like Polymers, Structure and Properties", J. POLY. SCI. MACROMOLECULAR REVS., vol. 8, 1974, pages 117 - 253
- "Ullmann's Encyclopedia of Industrial Chemistry", vol. A12, article "Amines, aliphatic", pages: 617

Citation (search report)  
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