

Title (en)

AMIDE BRANCHED AROMATIC GELLING AGENTS

Title (de)

AMIDVERZWEIGTE AROMATISCHE GELIERMITTEL

Title (fr)

AGENTS GÉLIFIANTS AMIDES AROMATIQUES RAMIFIÉS

Publication

**EP 2976407 A4 20170104 (EN)**

Application

**EP 13878799 A 20130322**

Priority

CA 2013050238 W 20130322

Abstract (en)

[origin: WO2014146191A1] A downhole fluid comprises a base fluid, for example a hydrocarbon base fluid, and a gelling agent. The gelling agent has an aromatic core of one or more aromatic rings, the gelling agent having two or more amide branches distributed about the aromatic core, each of the two or more amide branches having one or more organic groups. An example gelling agent is a pyromellitimide gelling agent. The pyromellitimide gelling agent may have the general formula of (I) with R1, R2, R3, R4, R5, R6, R7, and R8 each being a hydrogen or an organic group. Methods of use and composition are discussed.

IPC 8 full level

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CPC (source: EP)

**C09K 8/035** (2013.01); **C09K 8/68** (2013.01); **C09K 2208/26** (2013.01)

Citation (search report)

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- [X] US 7790793 B2 20100907 - SCHMIDT HANS-WERNER [DE], et al
- [X] US 6645577 B2 20031111 - HORIKIRI TOMONARI [JP]
- [X] KATIE W. K. TONG ET AL: "Pyromellitimide Gelators: Exponential Rate of Aggregation, Hierarchical Assembly, and Their Viscoelastic Response to Anions +", LANGMUIR, vol. 25, no. 15, 4 August 2009 (2009-08-04), pages 8586 - 8592, XP055149174, ISSN: 0743-7463, DOI: 10.1021/la804180h
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- See references of WO 2014146191A1

Designated contracting state (EPC)

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