

Title (en)

Oil and water mixture and method of promoting combustion.

Title (de)

Öl-Wasser-Gemisch und Verfahren zum Fördern der Verbrennung.

Title (fr)

Mélange d'huile et d'eau et méthode pour favoriser la combustion.

Publication

EP 0147506 A1 19850710 (EN)

Application

EP 84104942 A 19840503

Priority

US 54918083 A 19831107

Abstract (en)

The combustion of a mixture of from one to thirty parts of water by volume in about one hundred parts of oil. e.g. heavy fuel oil, is promoted by the addition of a catalyst. The catalyst is the phenolic-EO adduct or alkyl polyethylene glycol ether of which EO is ethylene oxide. The phenolic-EO adduct is obtained from the reaction between alkyl phenol and ethylene oxide. The oil and water are mixed and the catalyst is added thereto prior to spraying the mixture into a combustion chamber.

IPC 1-7

C10L 1/32

IPC 8 full level

C10L 1/32 (2006.01)

CPC (source: EP)

C10L 1/328 (2013.01)

Citation (search report)

- DE 2520971 A1 19761118 - KONRAD SPEDITION OHG
- US 3527581 A 19700908 - BROWNAWELL DARRELL W, et al

Cited by

EP0242832A3; DE19704874A1; DE19704874B4

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EP 0147506 A1 19850710; AU 2754384 A 19841115; DK 226084 A 19851108; DK 226084 D0 19840507; NO 841900 L 19850508

DOCDB simple family (application)

EP 84104942 A 19840503; AU 2754384 A 19840501; DK 226084 A 19840507; NO 841900 A 19840511