

Title (en)

Water-in-oil emulsion fuel oil production method and system

Title (de)

Wasser-ölbrennstoffemulsion und Verfahren zu deren Herstellung

Title (fr)

Emulsion combustible eau-huile et procédé de sa préparation

Publication

EP 1108776 A1 20010620 (EN)

Application

EP 99124584 A 19991209

Priority

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Abstract (en)

A system for producing a water-in-oil emulsion fuel oil of improved combustion efficiency and reduced emission of pollutants. The production system includes an additive solution tank for producing an emulsifying additive solution by mixing NaOH and CaCl₂ and water and storing the additive solution therein, a water tank for producing mixed water by mixing the emulsifying additive solution from the additive solution tank with water, a mixing tank for mixing heavy oil and the mixed water from the water tank having the water and emulsifying additive solution so that the water substantially uniformly distributed and suspended in the dispersion medium of the heavy oil to produce the water-in-oil emulsion fuel, and a storage tank for storing the water-in-oil emulsion fuel therein to provides the emulsion fuel to a burning facility. <IMAGE>

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)

- [A] BE 1010248 A5 19980407 - INTEVEP SA [VE]
- [A] GB 2304601 A 19970326 - INTEVEP SA [VE]
- [A] US 4824439 A 19890425 - POLANCO DOMINGO R [VE], et al

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JP2014196859A; US7722688B2; EP2091887A1

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