

Title (en)

FUEL ADDITIVE FOR REDUCING GREENHOUSE GASES, NITROGEN OXIDES AND PARTICULATE MATTER

Title (de)

TREIBSTOFFADDITIV ZUR VERRINGERUNG VON TREIBHAUSGASEN, STICKOXIDEN UND FEINSTAUB

Title (fr)

ADDITIF POUR COMBUSTIBLE DESTINÉ À RÉDUIRE LES GAZ À EFFET DE SERRE, LES OXYDES D'AZOTE ET LA MATIÈRE PARTICULAIRE

Publication

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Application

EP 16846753 A 20160811

Priority

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Abstract (en)

The present disclosure provides a fuel additive for a heavy fuel oil in composition form, in which the fuel additive includes: an oil soluble metallic compound; an oxygen carrier; a dispersant; a lubricant; a non-ionic surfactant; and a detergent. If a small amount (0.025%) of the fuel additive of the present disclosure is added to a heavy fuel oil, the generation of particulate matter (PM), residual carbons, nitrogen oxides and the like upon combustion can be reduced. In addition, if a small amount (0.025%) of the fuel additives of the present disclosure is added to a heavy fuel oil, the combustion efficiency can be enhanced since upon combustion, a maximum combustion pressure is increased, whereas an exhaust temperature is lowered. Thus, the fuel additive of the present disclosure is very useful for a large boiler using a heavy fuel oil as fuel, in particular, a large diesel engine.

IPC 8 full level

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