

Title (en)
ECOLOGICAL SOLID FUEL ADDITIVE, REDUCING SOOT FORMATION

Title (de)
ÖKOLOGISCHES FESTES BRENNSTOFFADDITIV ZUR VERMINERUNG VON RUSSBILDUNG

Title (fr)
ÉCOLOGIQUE ADDITIF DE COMBUSTIBLE SOLIDE POUR REDUIRE LA FORMATION DE SUIE

Publication
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Application
EP 15787013 A 20150923

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Abstract (en)
[origin: WO2017013476A1] The invention concerns the ecological fuel additive, composed of triferric tetroxide, nitrates containing 30-60% in weight of triiron tetroxide (Fe₃O₄), 10-30% in weight of potassium nitrate(V) (KNO₃), sodium nitrate (V) (NaNO₃), ammonium nitrate(V) (NH₄NO₃), or mixture of the abovementioned nitrates(V), 5-30% in weight of sodium percarbonate (Na₂CO₃·1.5H₂O₂) and 10% in weight of anti-caking agent. Advantageously, the anti-caking agent is powdered burnt clay and Fe₃O₄ used for production of fuel additive is free from FeSO₄. The solid fuel additive according to the invention is ecological thanks to this that the production of carbon black and toxic compounds present in carbon black is reduced.

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Cited by
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