

Title (en)
FUEL FOR CO-COMBUSTION WITH COAL IN COAL FIRED POWER PLANT HAVING LOW CO2 EMISSIONS

Title (de)
BRENNSTOFF FÜR CO-VERBRENNUNG MIT KOHLE IN EINEM KOHLEBEFEUERTEN KRAFTWERK MIT NIEDRIGEN CO2-EMISSIONEN

Title (fr)
COMBUSTIBLE DE CO-COMBUSTION AVEC DU CHARBON DANS UNE CENTRALE ÉLECTRIQUE AU CHARBON À FAIBLES ÉMISSIONS DE CO2

Publication
EP 2652094 A4 20140430 (EN)

Application
EP 11843496 A 20111125

Priority
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• AU 2011001538 W 20111125

Abstract (en)
[origin: WO2012068640A1] A solid fuel composition for co-combustion with coal in a coal fired power plant, the composition including: a waste oil such as engine oil, present in an amount of between about 10 to 20% by weight; a cellulose material capable of absorbing the waste oil, wherein the cellulose material is present in an amount of about 75 to 85% by weight; and an amount of about 5% by weight of a material or mixture of materials selected from grasses, plants, trees, algae, hemp, coconut, rice husks, and corn; wherein when the composition is subject to combustion the composition exhibits a CO2 emission of less than about 2%, an SO2 emission of less than about 0.2% by weight, an ash content of less than about 1% by weight, and a net calorific value of greater than about 25 MJ/Kg.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [XYI] RU 2157402 C1 20001010 - OOO EHKOLOGICHESKIJ TS KONSTAN, et al
• [XI] EP 1245663 A2 20021002 - SPRULES RODNEY K [CA], et al
• [XI] US 5244472 A 19930914 - SIMMONS JOHN J [US]
• [XI] US 4485584 A 19841204 - RAULERSON JAMES [US], et al
• [XI] AU 6440465 A 19680314
• [Y] WO 2008098311 A1 20080821 - CORKY S CARBON AND COMB PTY LT [AU], et al
• See references of WO 2012068640A1

Designated contracting state (EPC)
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AU 2011001538 W 20111125; AU 2011334546 A 20111125; CN 201180064408 A 20111125; EP 11843496 A 20111125