

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

- AU 2010905227 A 20101125
- 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

C10L 5/00 (2006.01); **C10L 5/44** (2006.01); **C10M 175/00** (2006.01)

CPC (source: EP)

C10L 5/44 (2013.01); **C10L 5/442** (2013.01); **C10L 5/445** (2013.01); **Y02E 50/10** (2013.01); **Y02E 50/30** (2013.01); **Y02T 50/678** (2013.01)

Citation (search report)

- [XYI] RU 2157402 C1 20001010 - OOO EHKOLOGICHESKIY 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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012068640 A1 20120531; AU 2011334546 A1 20130411; CN 103732727 A 20140416; EP 2652094 A1 20131023; EP 2652094 A4 20140430

DOCDB simple family (application)

AU 2011001538 W 20111125; AU 2011334546 A 20111125; CN 201180064408 A 20111125; EP 11843496 A 20111125