

Title (en)

METHODS AND SYSTEMS FOR REDUCING EMISSIONS

Title (de)

VERFAHREN UND SYSTEME ZUR VERRINGERUNG VON EMISSIONEN

Title (fr)

PROCEDES ET SYSTEMES DE REDUCTION D'EMISSIONS

Publication

EP 1879693 A4 20100630 (EN)

Application

EP 06769839 A 20060418

Priority

- US 2006014495 W 20060418
- US 67227905 P 20050418

Abstract (en)

[origin: WO2006113673A2] The present invention relates to method and systems for reducing emission of carbon dioxide, hi certain embodiments, the invention relates a reduced carbon dioxide emission kiln. Other embodiments of the invention relate to heat exchangers utilizing lime, slaked lime, and limestone. The invention also relates to methods for increasing efficiency of combustion sytems and methods for capturing carbon dioxide from combustion systems to reduce carbon dioxide emission.

IPC 8 full level

B01J 20/04 (2006.01); **B01D 53/62** (2006.01); **B01J 20/34** (2006.01); **C01B 3/18** (2006.01)

CPC (source: EP)

B01D 53/62 (2013.01); **B01J 20/041** (2013.01); **C04B 2/10** (2013.01); **C04B 7/367** (2013.01); **F27D 17/004** (2013.01); **F27D 17/008** (2013.01); **B01D 2251/404** (2013.01); **B01D 2251/602** (2013.01); **B01D 2251/604** (2013.01); **B01D 2257/504** (2013.01); **F27B 7/00** (2013.01); **Y02C 20/40** (2020.08); **Y02P 10/122** (2015.11); **Y02P 30/00** (2015.11); **Y02P 40/18** (2015.11); **Y02P 40/40** (2015.11)

Citation (search report)

- [X1] EP 1211222 A1 20020605 - MESSER FRANCE SA [FR]
- [X1] US 5937652 A 19990817 - ABDELMALEK FAWZY T [US]
- [X1] DATABASE WPI Week 199405, Derwent World Patents Index; AN 1994-039756, XP002581275
- See references of WO 2006113673A2

Citation (examination)

- GB 923813 A 19630418 - IND PLANT COMB LTD
- US 4287160 A 19810901 - VON ZANDER HANS

Cited by

EP4124608A1; FR3125817A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006113673 A2 20061026; WO 2006113673 A3 20070412; EP 1879693 A2 20080123; EP 1879693 A4 20100630

DOCDB simple family (application)

US 2006014495 W 20060418; EP 06769839 A 20060418