

Title (en)
OPPOSED FIRED ROTARY KILN

Publication
EP 0451648 B1 19930505 (EN)

Application
EP 91105063 A 19910328

Priority
US 50090690 A 19900329

Abstract (en)
[origin: EP0451648A2] A rotary kiln system wherein oxidant injection means are positioned at each stationary end and inject oxidant toward each other creating gas recirculation within the rotary kiln for improved mixing, combustion efficiency and temperature uniformity. <IMAGE>

IPC 1-7
F23C 9/00; F23G 5/027; F23G 5/12; F23G 5/20; F23G 5/40; F23L 7/00; F27B 7/34

IPC 8 full level
F23C 9/00 (2006.01); **F23G 5/12** (2006.01); **F23G 5/20** (2006.01); **F23G 5/50** (2006.01); **F27B 7/00** (2006.01); **F27B 7/34** (2006.01)

CPC (source: EP KR)
F23C 9/006 (2013.01 - EP); **F23G 5/12** (2013.01 - EP); **F23G 5/20** (2013.01 - EP); **F27B 7/00** (2013.01 - KR); **F27B 7/34** (2013.01 - EP); **F23C 2202/40** (2013.01 - EP)

Cited by
EP0567131A3; EP2208935A1; FR2733303A1; EP2869012A1; EP0541105A3; EP1612482A3; GB2261938A; DE102006028770A1; DE102006028770B4; EP0653590A1; JPH07198109A; GB2276438A; GB2276438B; US5482458A; US6394790B1; DE102012002548A1; EP2626628A1; WO9311084A1; WO2010081578A1; EP3037765A1; US10280114B2; KR100252332B1

Designated contracting state (EPC)
BE DE ES FR IT

DOCDB simple family (publication)
EP 0451648 A2 19911016; EP 0451648 A3 19920513; EP 0451648 B1 19930505; BR 9101206 A 19911105; CA 2039317 C 19950117; DE 69100074 D1 19930609; DE 69100074 T2 19930812; ES 2040605 T3 19931016; JP H04225783 A 19920814; KR 910017153 A 19911105; KR 960010601 B1 19960806

DOCDB simple family (application)
EP 91105063 A 19910328; BR 9101206 A 19910326; CA 2039317 A 19910328; DE 69100074 T 19910328; ES 91105063 T 19910328; JP 8736991 A 19910328; KR 910004841 A 19910328