

Title (en)  
HYBRID BURNER AND CORRESPONDING OPERATING METHOD

Title (de)  
HYBRIDBRENNER UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)  
BRULEUR HYBRIDE ET PROCEDE D'UTILISATION CORRESPONDANT

Publication  
**EP 1532394 A1 20050525 (DE)**

Application  
**EP 03729789 A 20030702**

Priority

- CH 0300436 W 20030702
- US 40697802 P 20020830

Abstract (en)  
[origin: WO2004020901A1] The invention relates to a hybrid burner (1) for a combustion chamber (7), particularly of a power plant, comprising a housing (2) inside of which a full oxidation catalytic converter (9) and partial oxidation catalytic converter (10) are placed. An entry side of the housing (2) is connected to at least one oxidator supply (3) and to at least one fuel supply (4, 5). An exit side of the housing (2) is connected to a combustion chamber (7).

IPC 1-7  
**F23C 9/00**; **F23C 11/00**; **F23R 3/40**; **F23C 6/02**

IPC 8 full level  
**F23C 13/02** (2006.01); **F23C 6/02** (2006.01); **F23C 9/00** (2006.01); **F23D 3/40** (2006.01); **F23R 3/40** (2006.01)

CPC (source: EP US)  
**F23C 6/02** (2013.01 - EP US); **F23C 13/02** (2013.01 - EP US); **F23R 3/40** (2013.01 - EP US); **F23C 2900/03002** (2013.01 - EP US); **F23C 2900/13002** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004020901A1

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**WO 2004020901 A1 20040311**; AU 2003240374 A1 20040319; EP 1532394 A1 20050525; EP 1532394 B1 20161123; US 2005196714 A1 20050908; US 7717700 B2 20100518

DOCDB simple family (application)  
**CH 0300436 W 20030702**; AU 2003240374 A 20030702; EP 03729789 A 20030702; US 6673505 A 20050228