

Title (en)  
Combustion accelerator for engines and burners

Title (de)  
Verbrennungsbeschleuniger für Motoren und Brenner

Title (fr)  
Accélérateur de combustion pour moteurs et brûleurs

Publication  
**EP 2080891 A3 20090916 (DE)**

Application  
**EP 08010658 A 20080612**

Priority  
DE 102008004499 A 20080116

Abstract (en)  
[origin: EP2080891A2] The method involves forming a stannous alloy in form stable structure, activated in reducing solution and is filled with propellant or fuel oil in a discharge container. A propellant or fuel is provided in a structure made of an alloy. The stannous alloy comprises metal tin, copper, silver and the activator platinum metal or lanthanum-cerium-cobalt. An independent claim is included for a device for combustion acceleration of internal combustion engines, turbines and burners by chemical reaction.

IPC 8 full level  
**F02M 27/02** (2006.01); **F23C 13/08** (2006.01)

CPC (source: EP US)  
**C10L 1/1208** (2013.01 - EP US); **C10L 1/308** (2013.01 - EP US); **C10L 10/00** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US);  
**C10L 10/12** (2013.01 - EP US); **F02M 27/02** (2013.01 - EP US); **F23C 13/08** (2013.01 - EP US)

Citation (search report)

- [X] WO 03086619 A1 20031023 - HORNIG WOLFGANG [MC]
- [XD] DE 4213808 A1 19931028 - KOCH CHRISTIAN [DE]
- [XD] DE 19944227 A1 20010322 - IRT INNOVATIVE RECYCLING TECHN [DE]
- [X] DE 19829174 A1 19990401 - IRT INNOVATIVE RECYCLING TECHN [DE]
- [X] US 2005145225 A1 20050707 - RATNER LEE [US], et al
- [X] US 6000381 A 19991214 - BERLIN ALVIN J [US], et al
- [X] US 5533490 A 19960709 - PASCALL BRIAN [GB]
- [X] DE 2261222 A1 19740620 - SIEMENS AG
- [X] DE 19941497 A1 20010308 - IRT GMBH ENTWICKLUNG UND VERMA [DE]

Cited by  
WO2018224064A1; WO2009106025A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2080891 A2 20090722; EP 2080891 A3 20090916**; CA 2725397 A1 20090903; CA 2725397 C 20130528; CN 101918697 A 20101215;  
DE 102008004499 A1 20090730; JP 2011514463 A 20110506; KR 20100113077 A 20101020; MX 2010007862 A 20110315;  
RU 2010132083 A 20120227; US 2011027730 A1 20110203; WO 2009106025 A2 20090903; WO 2009106025 A3 20091105

DOCDB simple family (application)  
**EP 08010658 A 20080612**; CA 2725397 A 20090114; CN 200980102138 A 20090114; DE 102008004499 A 20080116;  
DE 2009000040 W 20090114; JP 2010542511 A 20090114; KR 20107015045 A 20090114; MX 2010007862 A 20090114;  
RU 2010132083 A 20090114; US 81297509 A 20090114