

Title (en)  
DECOMPOSITION OF WASTE PLASTICS

Title (de)  
ZERSETZUNG VON KUNSTSTOFFABFÄLLEN

Title (fr)  
DÉCOMPOSITION DE DÉCHETS EN PLASTIQUE

Publication  
**EP 2478070 A4 20140716 (EN)**

Application  
**EP 10817806 A 20100916**

Priority  
• US 24292109 P 20090916  
• US 2010049050 W 20100916

Abstract (en)  
[origin: WO2011034989A2] Far infrared ray heating technology is used to breakdown waste plastic and resultant heavy oils into usable products. Waste plastics may thus be processed into petroleum products and used to generate energy.

IPC 8 full level  
**C10G 1/10** (2006.01); **C08J 11/12** (2006.01); **C10L 1/08** (2006.01)

CPC (source: EP US)  
**C08J 11/10** (2013.01 - EP US); **C08J 11/12** (2013.01 - EP US); **C10G 1/10** (2013.01 - EP US); **C10G 53/04** (2013.01 - EP US); **C10L 1/08** (2013.01 - EP US); **F23G 5/0276** (2013.01 - EP US); **F23G 5/46** (2013.01 - EP US); **F23G 7/12** (2013.01 - EP US); **C10G 2300/1003** (2013.01 - EP US); **C10G 2300/202** (2013.01 - EP US); **C10G 2300/44** (2013.01 - EP US); **C10G 2400/04** (2013.01 - EP US); **Y02W 30/62** (2015.05 - EP US)

Citation (search report)  
• [X] WO 2005065006 A2 20050721 - MA MYUNG [US]  
• [X] CN 1923957 A 20070307 - OUYANG TING [CN]  
• [XP] WO 2010003180 A1 20100114 - FUEL LTD P [AU], et al  
• [A] KR 20010087796 A 20010926 - MA MYUNG DUCK [KR]  
• See references of WO 2011034989A2

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**WO 2011034989 A2 20110324**; **WO 2011034989 A3 20110623**; BR 112012005516 A2 20160419; EP 2478070 A2 20120725; EP 2478070 A4 20140716; US 2012217149 A1 20120830

DOCDB simple family (application)  
**US 2010049050 W 20100916**; BR 112012005516 A 20100916; EP 10817806 A 20100916; US 201013496217 A 20100916