

Title (en)
PETROCHEMICAL APPARATUS

Title (de)
PETROCHEMISCHE VORRICHTUNG

Title (fr)
APPAREIL PÉTROCHIMIQUE

Publication
EP 2770039 A4 20150624 (EN)

Application
EP 12841744 A 20121019

Priority
• JP 2011229409 A 20111019
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• JP 2012077118 W 20121019

Abstract (en)
[origin: EP2770039A1] A conversion-to-oil apparatus is not provided with rotary members in a heating unit and in a decomposing unit in the process of changing plastic into oil, a residue tank and catalyst, wherein plastic gel is fed into a first buffer tank 2 comprising a cylinder disposed vertically, a second buffer tank 3 comprising a cylinder disposed vertically and finally a vaporizing vessel 4 comprising a cylinder 4a disposed laterally, a liquid surface L #c S in the vaporizing vessel 4 being adjusted at a diagonal center position in the vertical direction of the cylinder by controlling both the feeding amount of plastic gel and the temperature of the liquid surface so as to be a temperature of 400°C to 410°C, so that the rotary members, the residue tank and the catalyst become unnecessary to make the structure of the apparatus compact.

IPC 8 full level
C10G 1/10 (2006.01); **B09B 3/00** (2006.01)

CPC (source: EP US)
B09B 3/00 (2013.01 - EP US); **C10G 1/10** (2013.01 - EP US); **C10G 2300/1003** (2013.01 - EP US)

Citation (search report)
• [X] EP 2042581 A1 20090401 - BLEST CO LTD [JP]
• [A] US 2007179326 A1 20070802 - BAKER GARRY [AU]
• [A] US 2010320070 A1 20101223 - DEWHITT KEVIN CLARK [US]
• See references of WO 2013058366A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 12841744 A 20121019; JP 2012077118 W 20121019; JP 2013539704 A 20121019; US 201214352838 A 20121019