

Title (en)
DEVICE AND METHOD FOR PROCESSING THERMOSETTING PLASTICS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VERARBEITUNG VON DUROPLASTEN

Title (fr)
DISPOSITIF ET PROCÉDÉ DE TRAITEMENT DE THERMODURCISSABLES

Publication
EP 2054217 A1 20090506 (DE)

Application
EP 07787710 A 20070719

Priority
• EP 2007057452 W 20070719
• DE 102006038197 A 20060816

Abstract (en)
[origin: WO2008019922A1] The present invention relates to a method for processing thermosetting plastics, particularly thermosetting polyurethane, as well as a device for performing such a method. The device comprises an extruder device (10) having a cylinder, in which an extruder screw is received in a rotating manner, wherein the cylinder has at least one inlet opening (12, 14, 16) and one outlet opening (18), and that at least one inlet opening (12) of the cylinder is provided for filling the plastic material into the cylinder, as well as a tool (22), into which, or by means of which the material discharged by the extruder device can be guided in or through. According to the invention the device is characterized in that at least one inlet opening (12, 14, 16) is configured for the feeding of at least one cross-linked or reactive component of a thermosetting plastic.

IPC 8 full level
B29C 67/24 (2006.01); **B29C 44/34** (2006.01); **B29C 45/18** (2006.01); **B29C 48/29** (2019.01); **B29C 48/37** (2019.01); **B29C 48/40** (2019.01); **B29C 48/05** (2019.01); **B29C 48/08** (2019.01); **B29C 48/09** (2019.01)

CPC (source: EP)
B29C 44/3442 (2013.01); **B29C 45/1816** (2013.01); **B29C 48/022** (2019.01); **B29C 48/29** (2019.01); **B29C 48/37** (2019.01); **B29C 48/387** (2019.01); **B29C 48/388** (2019.01); **B29C 48/40** (2019.01); **B29C 48/832** (2019.01); **B29C 67/246** (2013.01); **B29C 45/54** (2013.01); **B29C 48/05** (2019.01); **B29C 48/08** (2019.01); **B29C 48/09** (2019.01); **B29C 48/297** (2019.01); **B29C 48/83** (2019.01); **B29K 2075/00** (2013.01); **B29K 2105/0005** (2013.01); **B29K 2105/24** (2013.01); **B29K 2301/10** (2013.01)

Citation (search report)
See references of WO 2008019922A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
DE 102006038197 A1 20080221; CN 101484299 A 20090715; EP 2054217 A1 20090506; EP 2213444 A2 20100804; EP 2213444 A3 20100908; WO 2008019922 A1 20080221

DOCDB simple family (application)
DE 102006038197 A 20060816; CN 200780024790 A 20070719; EP 07787710 A 20070719; EP 10160465 A 20070719; EP 2007057452 W 20070719