

Title (en)

EXTRUDER SCREW FOR MACHINES EXTRUDING PLASTICS MATERIAL

Title (de)

EXTRUDERSCHNECKE FÜR KUNSTSTOFFMATERIAL EXTRUDIERENDE MASCHINEN

Title (fr)

VIS D'EXTRUDEUSE DESTINÉE À DES MACHINES D'EXTRUSION DE MATIÈRE PLASTIQUE

Publication

EP 2203294 A1 20100707 (EN)

Application

EP 08833627 A 20080908

Priority

- EP 2008061852 W 20080908
- IT BO20070658 A 20070927

Abstract (en)

[origin: WO2009040235A1] Extruder screw (3), of the single type, for a machine (1) for extruding plastics material, said machine (1) comprising a barrel (2) heated and temperature-controlled by suitable means and having an inner surface (8) inside which rotates said screw (3) which comprises a primary thread (4) forming a primary compartment (10) and comprises a secondary thread (5) forming a secondary compartment (11) and having a ridge (9) positioned at a certain distance (d) from the inner surface (8) of said barrel (2) to form a transfer passage for the plastics material, wherein said secondary thread (5) comprises supplementary transfer means (6) formed entirely within the body of said secondary thread (5), through which more plastics material can flow from one face (14) to the other (13) of the secondary thread (5).

IPC 8 full level

B29C 48/59 (2019.01); **B29C 48/66** (2019.01)

CPC (source: EP US)

B29C 48/59 (2019.01 - EP US); **B29C 48/65** (2019.01 - EP US); **B29C 48/66** (2019.01 - EP US); **B29C 48/832** (2019.01 - EP US); **B29C 48/03** (2019.01 - EP US); **B29C 48/83** (2019.01 - EP US)

Citation (search report)

See references of WO 2009040235A1

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)

WO 2009040235 A1 20090402; CN 101848799 A 20100929; CN 101848799 B 20141112; EP 2203294 A1 20100707; IT BO20070658 A1 20090328

DOCDB simple family (application)

EP 2008061852 W 20080908; CN 200880109060 A 20080908; EP 08833627 A 20080908; IT BO20070658 A 20070927