

Title (en)
PITCH PROCESS AND PRODUCTS

Title (de)
PECHVERFAHREN UND PRODUKTE

Title (fr)
PROCÉDÉ ET PRODUITS DE BRAI

Publication
EP 4179042 A1 20230517 (EN)

Application
EP 20945287 A 20200713

Priority
US 2020041811 W 20200713

Abstract (en)
[origin: WO2022015281A1] A process for making mesophase and/or isotropic pitch. An aromatic rich liquid is charged at high temperature and pressure to a first thermal polymerization reactor to produce an isotropic pitch rich liquid which is flashed. Residual liquid is charged to a second thermal reactor to produce mesophase pitch. The reactors can be either tubular reactors or CSTRs. Carbonized or graphitized fibers, foams, blocks, sheets or spheres may be produced from the mesophase pitch.

IPC 8 full level
C10C 3/02 (2006.01)

CPC (source: EP)
C10C 3/002 (2013.01); **C10C 3/02** (2013.01); **C10C 3/026** (2013.01); **C10G 9/14** (2013.01); **C10G 9/40** (2013.01); **D01F 9/145** (2013.01)

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022015281 A1 20220120; CN 116134115 A 20230516; EP 4179042 A1 20230517; EP 4179042 A4 20240403; JP 2023536798 A 20230830; JP 7502552 B2 20240618; KR 20230037591 A 20230316

DOCDB simple family (application)
US 2020041811 W 20200713; CN 202080102798 A 20200713; EP 20945287 A 20200713; JP 2023501203 A 20200713; KR 20237004072 A 20200713