

Title (en)

Tar and/or oil pitch with a low content of polycyclic aromatic substances and a method for the preparation thereof

Title (de)

Teer- und/oder Ölpech mit geringem Gehalt an polycyclischen aromatischen Stoffen und dessen Herstellung

Title (fr)

Goudron et/ou huile de brai ayant une faible teneur à des substances aromatiques polycycliques et procédé de préparation

Publication

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Application

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Priority

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Abstract (en)

A tar and/or oil pitch has a low content of polycyclic aromatic substances and is characterized in that it has a benzo-ÅaÜpyrene content less than or equal to 5 ppm, and in that it has optical anisotropy of less than 1%; it is prepared by means of a method in which a residue with a low softening point from the primary distillation of tar and/or petroleum or a mixture of the residue with tar and/or petroleum is distilled with continuous mixing in an evaporator having a heat-exchange area:volume ratio of between 1 m<2>/m<3> and 200 m<2>/m<3>, at a pressure less than or equal to 10 mbars, and at a temperature of between 250 DEG C and 360 DEG C, for a period of at least 20 minutes; the pitch according to the invention is particularly suitable for use as a binding agent in the production of electrodes, refractory materials or special graphitized materials, as an impregnating agent, and as a raw material for the production of paints, pitch coke and rechargeable batteries. <IMAGE>

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CPC (source: EP)

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Citation (search report)

- [DA] EP 0510315 A1 19921028 - RUETGERSWERKE AG [DE]
- [A] US 5746906 A 19980505 - MCHENRY E RONALD [US], et al
- [A] US 5121992 A 19920616 - LIST JOERG M [CH], et al
- [A] DATABASE WPI Section Ch Week 7910, Derwent World Patents Index; Class HO9, AN 79-19202B, XP002081348

Cited by

CN113025361A; EP4215481A1; EP4004147A4; US7772145B2; WO2005068391A1; US7033485B2; US7066997B2; US7465387B2; WO2023139288A1; WO2021015824A1; US11248172B2; US11624029B2

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