

Title (en)
PROCESS FOR PRODUCING AN OPTICALLY ANISOTROPIC CARBONACEOUS PITCH

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EP 0089840 B1 19891129 (EN)

Application
EP 83301552 A 19830321

Priority
JP 4790382 A 19820324

Abstract (en)
[origin: EP0089840A1] A process for producing an optically anisotropic carbonaceous pitch comprises (a) heat treating a starting material which preferably comprises a carbonaceous heavy oil, at conditions which will favour the formation of an anisotropic pitch phase; (b) stopping said heat treating at an early stage in said formation; (c) maintaining the thus partially treated material at a temperature in the range 200 to 400 DEG C; (d) subjecting the material from step (c) to a settling treatment, while maintaining the material in a molten state; (e) removing the anisotropic pitch phase which separates in step (d); and (f) subjecting at least a portion of the remaining material to an after-treatment including a heat treatment for forming and/or concentrating an anisotropic pitch phase therein. A preferred step (b) comprises stopping the heat treatment when a pitch is obtained having a globular optically anisotropic phase content of 5-50 wt.%, a quinoline-insoluble matter content of 2-20 wt.%, a quinoline-insoluble/benzene-soluble matter content of 5-40 wt.% and a softening point of the formed pitch as a whole of up to 200 DEG C.

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IPC 8 full level
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