

Title (en)

Process for reducing the water and ash content in crude tar.

Title (de)

Verfahren zur Verminderung des Wasser- und Aschegehalts in Rohteeren.

Title (fr)

Procédé de diminution de la teneur en eau et en cendres des groudrons bruts.

Publication

EP 0283584 A1 19880928 (DE)

Application

EP 87118804 A 19871218

Priority

DE 3709465 A 19870323

Abstract (en)

1. A process for the reduction of the content of water and ash formers in crude coal tars by means of a three-phase decanting centrifuge with the usual barriers and discharge devices at elevated temperature, characterized in that the crude tar - where appropriate pre-treated - is continuously separated into an aqueous phase, a tar phase and a solid phase in the three-phase decanting centrifuge at a centrifuging number of between 1000 and 3000 g, provided with an open one- or two-threaded, preferably armoured worm, at a temperature of between 60 and 105 degrees C, an average dwell period of the tar of between 30 and 80 sec and a differential rotational speed between the worm and the rotor of from 10 to 50 min⁻¹, the feed being periodically briefly interrupted during the continuous operation.

Abstract (de)

Es wird ein mechanisches Verfahren zur Entwässerung und Entaschung von Rohteeren mittels einer Dreiphasendekantierzentrifuge vorgeschlagen. Durch die wendelförmige Ausbildung der Schnecke und durch ein periodisches Unterbrechen des Zulaufs werden hohe und über lange Zeit konstante Abscheidegrade erreicht. Dabei wird der QI-Gehalt des Rohteers praktisch nicht verändert.

IPC 1-7

C10C 1/02

IPC 8 full level

C10C 1/02 (2006.01)

CPC (source: EP)

C10C 1/02 (2013.01)

Citation (search report)

- [Y] FR 2336471 A1 19770722 - OTTO & CO GMBH DR C [DE]
- [Y] EP 0173676 A1 19860305 - VOEST ALPINE AG [AT]
- [A] FR 2380819 A1 19780915 - FLOTTWEG WERK BRUCKMAYER [DE]
- [A] DE 574358 C 19330412 - SAECHSISCHE WERKE AG, et al

Cited by

DE102015112532A1; WO02102938A1

Designated contracting state (EPC)

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EP 0283584 A1 19880928; EP 0283584 B1 19900829; CS 273648 B2 19910312; CS 83788 A2 19900814; DE 3709465 A1 19881006; DE 3764637 D1 19901004; ES 2003848 A4 19881201; ES 2003848 B3 19910301; JP S63254187 A 19881020; PL 151440 B1 19900928; PL 271346 A1 19890206

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