

Title (en)
ELECTRODE BINDER

Publication
EP 0215192 B1 19890816 (DE)

Application
EP 86107033 A 19860523

Priority
DE 3533106 A 19850917

Abstract (en)
[origin: EP0215192A1] 1. The use of an electrode binder of coal tar with a softening point (Kraemer-Sarnow) of from 90 to 105 degrees C, a content of quinoline-insolubles (QI) of from 0.5 to 5% by weight, from 25 to 35% by weight of beta-resins, a content of ash formers of less than 0.2% by weight, preferably less than 0.1% by weight, and an Na content of less than 50 ppm, preferably less than 20 ppm, obtainable by the filtration of a coaltar pitch which is mixed with a 1 - to 2.5-fold quantity of an inorganic or organic filter aid, relative to the QI content of the pitch, by means of filter cartridges with a pore size of from 50 to 100 mu m at a temperature of from 250 to 300 degrees C at a pressure of up to 8 bar and where appropriate by distilling off oils from the filtered pitch in order to fix the softening point, as a binder in the manufacture of anodes with reduced burn-off for the aluminium industry, in particular in the manufacture of previously burned block anodes with an addition of up to 30% by weight of anode residues, relative to the solid-material portion of the anode material, with an Na content of more than 1500 ppm.

IPC 1-7
C10C 1/00

IPC 8 full level
C10C 1/00 (2006.01)

CPC (source: EP)
C10C 1/00 (2013.01)

Citation (examination)
DE 1189517 B 19650325 - VERKAUFSVEREINIGUNG FUER TEERE

Cited by
CN107883897A; AT395316B

Designated contracting state (EPC)
CH DE FR GB LI NL

DOCDB simple family (publication)
EP 0215192 A1 19870325; EP 0215192 B1 19890816; DE 3533106 A1 19870326; DE 3665071 D1 19890921; DK 163880 B 19920413; DK 163880 C 19920914; DK 443386 A 19870318; DK 443386 D0 19860916; NO 170813 B 19920831; NO 170813 C 19921209; NO 863700 D0 19860916; NO 863700 L 19870318

DOCDB simple family (application)
EP 86107033 A 19860523; DE 3533106 A 19850917; DE 3665071 T 19860523; DK 443386 A 19860916; NO 863700 A 19860916