

Title (en)

FIXATION OF ANODE STUDS OR SPADES IN A CARBON ANODE

Publication

EP 0117842 B1 19861029 (DE)

Application

EP 84810022 A 19840113

Priority

CH 53483 A 19830131

Abstract (en)

[origin: US4621674A] The carbon anodes of aluminum reduction cells are suspended on anode rods. The lower part of these rods viz., the anode pins or stubs can be anchored in the carbon anode by pouring cast iron into suitably shaped anode pin or stub holes which are at least partially undercut at the sides. A horizontal layer of cast iron at least some millimeters thick is formed between the floor of the pin or stub holes and the lower face of the anode pins or stubs. The cast iron poured into the spaces around the anode pins or stubs heats these to over 400 DEG C. The mass of the cast iron poured in is smaller than the mass of the lower part of the anode pin or stub to be enclosed.

IPC 1-7

C25C 3/16

IPC 8 full level

C25C 3/16 (2006.01)

CPC (source: EP US)

C25C 3/125 (2013.01 - EP US); **C25C 3/16** (2013.01 - EP US)

Cited by

DE4443160A1; US11339489B2; WO2017216243A1

Designated contracting state (EPC)

AT CH DE FR IT LI NL SE

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EP 0117842 A1 19840905; EP 0117842 B1 19861029; AT E23200 T1 19861115; AU 2322284 A 19840802; DE 3461109 D1 19861204; NO 840320 L 19840801; US 4621674 A 19861111; ZA 84675 B 19840926

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EP 84810022 A 19840113; AT 84810022 T 19840113; AU 2322284 A 19840111; DE 3461109 T 19840113; NO 840320 A 19840127; US 57120584 A 19840116; ZA 84675 A 19840130