Title (en)

PROCESS FOR ATTACHING ANODE BLOCKS TO AN ANODE HANGING

Publication

EP 0150680 A3 19850828 (DE)

Application

EP 84810657 A 19841227

Priority

CH 21684 A 19840118

Abstract (en)

[origin: US4574019A] Carbon anode blocks for use in the fused salt electrolytic process for producing aluminum, are attached to the studs or spades of an anode suspension means by an adhesive mass which is mechanically strong and a good electrical conductor at least at temperatures between 900 DEG and 1000 DEG C. The studs or spades are preheated to 30 DEG -60 DEG C. and/or the anode blocks at least in the region of the holes for the said studs or spades to 25 DEG -40 DEG C. At the latest 60 seconds after inserting the anode suspension means i.e. after immersion of the studs or spades in the cold-poured adhesive mass, the adhesive mass exceeds a temperature of 25 DEG C. The lowering of the studs or the spades is achieved in the shortest possible time by vibrating the anode blocks and/or the anode suspension means. The stabilizing of this arrangement, at least until the adhesive mix has partly hardened, is achieved preferably by spiking or wedging.

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); Y10T 428/22 (2015.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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