

Title (en)

NON-CONSUMABLE ELECTRODE, PROCESS OF PRODUCING AND USE IN PRODUCING ALUMINUM

Publication

EP 0120982 A3 19850313 (EN)

Application

EP 83103187 A 19830330

Priority

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Abstract (en)

[origin: EP0120982A2] The invention relates to non-consumable electrode having a substantially flat working surface suitable for use as an anode in molten salt electrolysis, particularly for the production of aluminum in Hall-Heroult reduction cells, is produced by a process wherein at least the portion of a conductive core that is exposed to the electrolyte bath is coated with a composition of higher resistivity than the core composition to provide uniform current density at all regions of the working surface of the anode. The invention also relates to the production of aluminum using such an electrode.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] FR 2230750 A1 19741220 - ALUSUISSE [CH]
- [E] US 4379033 A 19830405 - CLARK JAMES M, et al

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