

عنوان مقاله:

Preheating anodes without consumption energy in aluminum reduction cell

محل انتشار:

چهارمین کنفرانس بین المللی آلومینیوم ایران ۲۰۱۶ IIAAC (سال: 1395)

تعداد صفحات اصل مقاله: 7

نویسندگان:

Majid Salehfard - Potroom , Arak, P.O. Box: ۳۱. Iran

Abbas Jalalvandi - Potroom , Arak, P.O. Box: ۳۱. Iran

Mahmoud Pilehvari - Potroom , Arak, P.O. Box: ۳۱. Iran

خلاصه مقاله:

Anode breakage in the cell is usually either from thermal shock as the anode is set, or late Rota (i.e. anode cycle) cracking. The large carbon pieces that fall into the cell from anode breakage Create major problems: they are hazardous to remove, but if not removed, spikes can form if anodes are set on the carbon pieces, and they degrade over time in the cell to form dust. Applying anode in cold weather, waste many energy and makes some problems for the reduction cells .For saving energy and preheating anode without energy, there is method which this article is to explain about. For this purpose applied a new method which in that, is measured the difference temperature between the anodes (new anode and anode butts) by thermovision (IR-Thermometer) at all levels of anode In 3 stages and compare their temperatures

کلمات کلیدی:

Preheating anode , saving energy, Aluminum reduction cells, fluctuations of pot setting anodes

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