Title (en)

PROCESS FOR PREPARING CHROMIUM-ALUMINIUM AGGLOMERATES FOR ADDING CHROMIUM TO A MELT OF ALUMINIUM

Publication

EP 0275774 A3 19880803 (FR)

Application

EP 87402937 A 19871221

Priority

FR 8617981 A 19861222

Abstract (en)

[origin: US4820483A] The present invention relates to a process for the production of chromium-aluminum balls for adding chromium into molten aluminum baths. In order to obtain balls containing x% of chromium and y% of aluminum, where x and y are gravimetric contents corresponding to the following relationships: 70</=x</=80 20</=y</=30 x+y=100 an alloy of chromium and aluminum containing gravimetric chromium and aluminum contents approximating to x by an excess and to y by a deficit respectively is prepared by melting and this alloy is then finely ground into a crude powder; the chromium and aluminum contents of the alloy or of the crude powder are determined and, if required, an additional amount of finely divided aluminum is added so as to obtain a powder containing x% of chromium and y% of aluminum, the additional amount of finely divided aluminum corresponding to less than 10% by weight of the crude powder; a compacting is then carried out. Balls essentially consisting of alloy particles having the same melting point and little risk of floating on the surface of the molten aluminum bath, which favors the dissolution of the balls in the latter, are produced.

IPC 1-7

C22C 1/03; B22F 1/00

IPC 8 full level

B22F 1/00 (2022.01); **C22C 1/03** (2006.01)

CPC (source: EP US)

B22F 1/00 (2013.01 - EP US); **C22C 1/03** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

FR 2608478 A1 19880624; **FR 2608478 B1 19890602**; AT E64762 T1 19910715; DE 3771059 D1 19910801; EP 0275774 A2 19880727; EP 0275774 A3 19880803; EP 0275774 B1 19910626; US 4820483 A 19890411

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