

Title (en)

METHODS FOR RECOVERING MACHINING SCRAP

Title (de)

VERFAHREN ZUR RÜCKGEWINNUNG VON BEARBEITUNGSSCHROTT

Title (fr)

PROCÉDÉS POUR RÉCUPÉRER DES DÉCHETS D'USINAGE

Publication

EP 3714076 A4 20210602 (EN)

Application

EP 18879178 A 20181120

Priority

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- US 2018061928 W 20181120

Abstract (en)

[origin: WO2019100042A1] A method including providing a quantity of metal, the quantity of metal being contaminated by a contaminant including a quantity of carbon; configuring a vacuum induction furnace to operate according to a set of operating parameters, the set of operating parameters being selected based on characteristics of the contaminant, the set of operating parameters including at least one of a pressure, an atmosphere composition, a pour temperature, or a hold time; charging the vacuum induction furnace with the quantity of metal; and operating the vacuum induction furnace to melt the quantity of metal in accordance with the set of operating parameters, whereby at least some of the contaminant is removed from the quantity of metal so as to provide an output metal having a concentration of carbon that is less than or equal to a concentration of carbon in the metal as cast.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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- [XAYI] US 8202347 B2 20120619 - VERDIER JEAN-FRANCOIS [FR], et al
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- See references of WO 2019100042A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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