

Title (en)

ADDITIVE IN WIRE FORM FOR TREATING MOLTEN METALS

Publication

EP 0066305 B1 19860205 (DE)

Application

EP 82200429 A 19820407

Priority

DE 3121089 A 19810527

Abstract (en)

[origin: EP0066305A1] 1. A process of producing an agent in the form of wire for treating molten material for making nodular iron, from a powder mixture which is sheath with ferrous metal and contains at least one of the metals (A) magnesium, calcium and rare earth elements, and at least one of the metals (B) iron, nickel and manganese, characterized in that the metal powder (A) is initially mixed with graphite powder or perlite powder to form a reaction-retarding coating and is subsequently combined with component (B) and with a reaction-inhibiting component (C) of swellable silicates and/or coke and/or graphite to form the final mixture, wherein the metal powders (A, B) and component (C) have particle sizes between 0.02 and 2.0 mm and the powder mixture is composed of 30 to 80 wt. % (A), 10 to 60 wt. % (B) and 1 to 15 wt. % (C), the quantity of the coating being included in the quantity of component (C).

IPC 1-7

C21C 1/10; C21C 7/00

IPC 8 full level

C21C 1/10 (2006.01); **C21C 7/00** (2006.01); **C21C 7/064** (2006.01)

CPC (source: EP)

C21C 1/105 (2013.01); **C21C 7/0056** (2013.01); **C21C 7/0645** (2013.01)

Citation (examination)

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Cited by

EP0410360A1; US5951738A; FR2796398A1; EP0546351A3; TR26635A; GB2218713A; GB2309465A; GB2309465B; EP0582970A1; AU2007276412B2; US8273150B2; US10513753B1; WO2008009414A1; WO9613351A1; DE102012013662A1; WO2014009327A1

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