

Title (en)
Passivation of pyrophoric metals.

Title (de)
Passivierung von pyrophoren Metallen.

Title (fr)
Passivation de métaux pyrophoriques.

Publication
EP 0388816 A1 19900926 (DE)

Application
EP 90105021 A 19900316

Priority
DE 3908815 A 19890317

Abstract (en)
For the passivation of pyrophoric metals, in particular magnesium, the metal is coated with 0.5 to 5% by weight of an s-triazine derivative, such as melamine, benzoguanamine, melam, melem and/or melon, melamine- and/or benzoguanamine-formaldehyde condensates and/or guanidine, cyanoguanidine, guanylhurea, guanidine phosphate, guanidine sulphamate or guanidine cyanurate, based on the weight of the metal, as a passivating agent. Metals passivated in this manner are suitable in particular as treatment agents for metallurgical melts.

Abstract (de)
Zur Passivierung von pyrophoren Metallen, insbesondere Magnesium, beschichtet man das Metall mit 0,5 bis 5 Gew.-% eines s-Triazin-Derivates wie Melamin, Benzoguanamin, Melam, Melem oder/und Melon, Melamin- oder/und Benzoguanamin-Formaldehyd-Kondensationsprodukt oder/und Guanidin, Cyanoguanidin, Guanylharnstoff, Guanidinphosphat, Guanidinsulfamat oder Guanidincyanurat, bezogen auf das Gewicht des Metalles, als Passivierungsmittel. So passivierte Metalle eignen sich besonders als Behandlungsmittel für metallurgische Schmelzen.

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B22F 1/00; C21C 1/02; C23F 11/14

IPC 8 full level
B22F 1/10 (2022.01); **C21C 1/02** (2006.01); **C21C 1/10** (2006.01); **C23C 24/00** (2006.01); **C23C 30/00** (2006.01); **C23F 11/00** (2006.01); **C23F 11/14** (2006.01)

CPC (source: EP KR US)
B22F 1/10 (2022.01 - EP KR US); **C21C 1/025** (2013.01 - EP US); **C21C 1/105** (2013.01 - EP US); **C23C 24/00** (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **C23F 11/14** (2013.01 - KR); **C23F 11/146** (2013.01 - EP US); **C23F 11/149** (2013.01 - EP US)

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