

Title (en)  
Ice blast cleaning systems and methods

Title (de)  
Eisreinigungsstrahlsystem und Verfahren

Title (fr)  
Systèmes et procédés de nettoyage par soufflage de glace

Publication  
**EP 2415559 A2 20120208 (EN)**

Application  
**EP 11175687 A 20110728**

Priority  
US 85157210 A 20100806

Abstract (en)  
The present application provides an ice blast cleaning method for a layer of slag (30) on a surface (40). The ice blast cleaning method may include the steps of maintaining the surface (40) with the layer of slag (30) thereon at an elevated temperature, shooting a number of ice pellets (110) at the layer of slag (30) on the surface (40), and loosening the layer of slag (30) on the surface (40) via a mechanical impact of the ice pellets (110) on the layer of slag (30) and a thermal shock caused by a temperature differential between the ice pellets (110) and the layer of slag (30).

IPC 8 full level  
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CPC (source: EP US)  
**B24C 1/003** (2013.01 - EP US); **B24C 1/086** (2013.01 - EP US)

Cited by  
CN104785466A; EP3076119A4

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**EP 2415559 A2 20120208**; **EP 2415559 A3 20140903**; CN 102374550 A 20120314; US 2012031350 A1 20120209

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**EP 11175687 A 20110728**; CN 201110230253 A 20110805; US 85157210 A 20100806