

Title (en)  
Grating for a recuperator

Title (de)  
Gitterrost für einen Winderhitzer

Title (fr)  
Grille pour un récupérateur de chaleur

Publication  
**EP 0892078 B1 20020918 (DE)**

Application  
**EP 97112351 A 19970718**

Priority  
EP 97112351 A 19970718

Abstract (en)  
[origin: EP0892078A1] A grating for a blast reheater consists of a cast iron material which exhibits linear expansion properties and no significant structure changes in the 20-600 degrees C range. The iron has a strength (DIN 1691) of more than 240 MPa at 600 degrees C and exhibits toughness with a strain rate of more than 10%. The cast iron may have (i) a bainite-free structure with vermicular graphite; or (ii) a pearlitic-ledeburitic structure with lamellar graphite and containing 0.6-1.0 wt.% Cr, 0.8-1.5 wt.% Ni and 0.4-0.7 wt.% Mo, the total content of Cr, Ni and Mo being 1.8-3.2 wt.%.

IPC 1-7  
**C22C 37/00**; **F28D 17/00**; **C21B 9/00**

IPC 8 full level  
**C21B 9/00** (2006.01); **C22C 37/08** (2006.01); **F27D 17/00** (2006.01); **F28D 17/02** (2006.01)

CPC (source: EP)  
**C21B 9/00** (2013.01); **C22C 37/08** (2013.01); **F27D 17/00** (2013.01); **F28D 17/02** (2013.01); **F27D 2017/007** (2013.01)

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