

Title (en)  
Cooler with sliding grates

Title (de)  
Schubrostkühler

Title (fr)  
Refroidisseur à grilles poussantes

Publication  
**EP 0677714 B1 19970716 (DE)**

Application  
**EP 95102451 A 19950221**

Priority  
DE 4412885 A 19940414

Abstract (en)  
[origin: EP0677714A1] The cooling grid is for a thrust grid cooler for cooling hot materials and contains several grid plate carriers (1,1') parallel to each other and spaced apart running crossways to the cooling grid. The carriers are formed as hollow bodies and are connected to cooling gas feed conduits (2,2'). Several grid plates (5) are arranged together in cross rows and are provided with cooling gas through passage apertures (8) in front plate sections (5a) facing in the cooling material conveyor direction (7). The grid plates of each cross row are fixed in a sealed manner on a grid plate carrier so that, in the cooling grid longitudinal direction, adjacent grid plate cross rows overlap each other.

IPC 1-7  
**F27D 15/02**

IPC 8 full level  
**F27D 15/02** (2006.01); **F28C 3/16** (2006.01)

CPC (source: EP US)  
**F27D 15/022** (2013.01 - EP US); **F28C 3/16** (2013.01 - EP US)

Cited by  
US5836758A; EP0786637A1; WO2005059462A3; WO2017093111A1

Designated contracting state (EPC)  
BE CH DE DK ES FR GB IT LI PT

DOCDB simple family (publication)  
**EP 0677714 A1 19951018; EP 0677714 B1 19970716**; DE 4412885 A1 19951019; DE 59500379 D1 19970821; DK 0677714 T3 19980223; ES 2103614 T3 19970916; US 5549471 A 19960827; ZA 951636 B 19951211

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**EP 95102451 A 19950221**; DE 4412885 A 19940414; DE 59500379 T 19950221; DK 95102451 T 19950221; ES 95102451 T 19950221; US 40657795 A 19950320; ZA 951636 A 19950228