

Title (en)  
Cooling of hot bodies.

Title (de)  
Kühlung von heissen Körpern.

Title (fr)  
Refroidissement de parties chaudes.

Publication  
**EP 0393970 B1 19940706 (EN)**

Application  
**EP 90304081 A 19900417**

Priority  
GB 8908997 A 19890420

Abstract (en)  
[origin: EP0393970A2] A hot body (1), such as part of a vessel for molten metal, is cooled by having atomised liquid coolant directed on to it. The coolant is directed into a space between the surface to be cooled (2) and another surface (6) parallel to it in a direction parallel to the surfaces. The volume of liquid coolant which is supplied does not exceed the volume of liquid which is vaporised by the hot body (1).

IPC 1-7  
**F27D 9/00**; **F27D 1/18**; **F27D 1/12**; **F27B 14/12**

IPC 8 full level  
**F27D 1/18** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP)  
**F27D 1/1816** (2013.01); **F27D 9/00** (2013.01)

Cited by  
EP0987494A1; GB2330898A; US5653936A; US6213031B1

Designated contracting state (EPC)  
AT BE DE ES FR GB GR IT LU NL SE

DOCDB simple family (publication)  
**EP 0393970 A2 19901024**; **EP 0393970 A3 19901219**; **EP 0393970 B1 19940706**; **EP 0393970 B2 19990317**; AT E108269 T1 19940715; DE 69010380 D1 19940811; DE 69010380 T2 19941103; DE 69010380 T3 19990826; ES 2058792 T3 19941101; ES 2058792 T5 19990816; GB 8908997 D0 19890607

DOCDB simple family (application)  
**EP 90304081 A 19900417**; AT 90304081 T 19900417; DE 69010380 T 19900417; ES 90304081 T 19900417; GB 8908997 A 19890420