

Title (en)  
Wire cooling device

Title (de)  
Drahtkühleinrichtung

Title (fr)  
Dispositif de refroidissement de fil

Publication  
**EP 1208924 A3 20030813 (DE)**

Application  
**EP 01127074 A 20011114**

Priority  
DE 10058369 A 20001124

Abstract (en)  
[origin: DE10058369C1] Cooling device comprises a cooling chamber (28) with an inlet (32) and an outlet (33) for the wire (12). The chamber is formed by a cooling sleeve (36) which is closed at one end by a wall (34) penetrated by the wire inlet. A cone sleeve (6) is screwed onto the other end and is penetrated by the wire outlet. A core (10) is screwed into a cylindrical bore (26) and protrudes into the inner cone of the cone sleeve forming an annular chamber (14). An inlet (20) for the cooling medium opens out into a distribution chamber (22) and the outlet (30) for the cooling medium is formed as a lateral opening of the cooling chamber. Preferred Features: The length of the cooling chamber is adjusted using a screw thread and is fixed using a locking nut.  
[origin: DE10058369C1] Cooling device comprises a cooling chamber (28) with an inlet (32) and an outlet (33) for the wire (12). The chamber is formed by a cooling sleeve (36) which is closed at one end by a wall (34) penetrated by the wire inlet. A cone sleeve (6) is screwed onto the other end and is penetrated by the wire outlet. A core (10) is screwed into a cylindrical bore (26) and protrudes into the inner cone of the cone sleeve forming an annular chamber (14). An inlet (20) for the cooling medium opens out into a distribution chamber (22) and the outlet (30) for the cooling medium is formed as a lateral opening of the cooling chamber. Preferred Features: The length of the cooling chamber is adjusted using a screw thread and is fixed using a locking nut.

IPC 1-7  
**B21C 47/26**; **B21C 9/00**; **C21D 9/573**; **B21C 3/14**; **B21B 45/02**

IPC 8 full level  
**B21B 45/02** (2006.01); **B21C 3/14** (2006.01); **B21C 9/00** (2006.01); **B21C 47/26** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP)  
**C21D 9/5732** (2013.01)

Citation (search report)

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Cited by  
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1208924 A2 20020529**; **EP 1208924 A3 20030813**; **EP 1208924 B1 20050209**; AT E288800 T1 20050215; DE 10058369 C1 20020214; DE 50105293 D1 20050317; ES 2236117 T3 20050716

DOCDB simple family (application)  
**EP 01127074 A 20011114**; AT 01127074 T 20011114; DE 10058369 A 20001124; DE 50105293 T 20011114; ES 01127074 T 20011114