

Title (en)  
Desuperheater apparatus for steam lines

Title (de)  
Dampfkühlungsvorrichtung für Dampfleitungen

Title (fr)  
Appareil désurchauffeur pour conduites de vapeur

Publication  
**EP 1918532 A1 20080507 (EN)**

Application  
**EP 06425745 A 20061030**

Priority  
EP 06425745 A 20061030

Abstract (en)  
A desuperheater apparatus (1) for steam lines, which comprises a plurality of chambers (2, 3, 4) including a final chamber (4) whose upstream end is closed by a steam diffuser (11) having a plurality of holes (12) for the passage of steam. Spray nozzles (9) are associated to the final chamber (4) for generating respective spray cones therein. Advantageously, the steam diffuser (11) has a conical shape so that, at each spray nozzle (9), the perforated portions of the steam diffuser (11) are inclined in such a manner as to be substantially parallel to the lateral surface of the spray cones (C) generated by their corresponding spray nozzles.

IPC 8 full level  
**F01K 3/00** (2006.01); **F22G 5/12** (2006.01); **F22G 5/14** (2006.01)

CPC (source: EP)  
**F01K 3/002** (2013.01); **F22G 5/126** (2013.01)

Citation (search report)

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