

Title (en)  
DEVICE AND METHOD FOR THE MODULATED COOLING OF A MOVING CYLINDRICAL OBJECT

Publication  
**EP 0440009 B1 19930929 (FR)**

Application  
**EP 90870241 A 19901218**

Priority  
BE 9000122 A 19900201

Abstract (en)  
[origin: EP0440009A2] The device comprises a tubular channel (1), pierced with a plurality of orifices, and a casing arranged around the tubular channel (1) for forming therewith an annular chamber surrounding the cylindrical object to be cooled. The inner volume of the annular chamber is divided into at least two compartments (Cs; Ci) which do not communicate with each other, this division into compartments being brought about by at least two separation partitions (2, 3). The separation partitions (2, 3) divide the plurality of orifices into at least two groups of orifices, each of the compartments (Cs; Ci) comprising one of these groups of orifices and each of the compartments (Cs; Ci) is, moreover, equipped with means for feeding a cooling agent (As;Ai). At least one of the separation partitions (2, 3) is arranged in a helix over the outer surface of the tubular channel (1).  
<IMAGE>

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IPC 8 full level  
**B21B 17/14** (2006.01); **B21B 37/74** (2006.01); **B21B 45/02** (2006.01); **C21D 11/00** (2006.01)

CPC (source: EP)  
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