

Title (en)

DEVICE FOR COOLING A MOVING CYLINDRICAL MEMBER

Publication

EP 0366639 A3 19910612 (FR)

Application

EP 89870150 A 19891011

Priority

BE 8801224 A 19881024

Abstract (en)

[origin: EP0366639A2] It comprises a casing (3) surrounding a tubular conduit (2) and forming with it an annular chamber (2), the annular chamber being closed at its ends by an upstream wall (4) and a downstream wall (5) respectively. There are means (10) for introducing the cooling agent into the annular chamber (2), and the tubular conduit (1) is pierced with a plurality of straight passages (C1 to C7) putting the annular chamber (2) in communication with the inner volume of the tubular conduit (1). These passages are arranged in the form of plane rings perpendicular to the longitudinal axis of the tubular conduit (1); they are equidistant in each of the rings, and each ring is offset angularly relative to the adjacent ring. There are also means for discharging the cooling agent from the inner volume of the tubular conduit (1). <IMAGE>

IPC 1-7

B21B 45/02

IPC 8 full level

B21B 45/02 (2006.01); **C21D 1/00** (2006.01); **C21D 9/08** (2006.01); **C21D 9/40** (2006.01)

CPC (source: EP US)

B21B 45/0224 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0366639 A2 19900502; EP 0366639 A3 19910612; EP 0366639 B1 19940831; AT E110600 T1 19940915; BE 1002565 A6 19910326; CA 2001183 A1 19900424; DE 68917855 D1 19941006; JP H02258111 A 19901018; US 5035403 A 19910730

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EP 89870150 A 19891011; AT 89870150 T 19891011; BE 8801224 A 19881024; CA 2001183 A 19891023; DE 68917855 T 19891011; JP 27697089 A 19891024; US 42611989 A 19891024