

Title (en)

DEVICE AT THE ENTRANCE AND EXIT OF SHEET METAL COOLING MACHINES

Publication

EP 0056917 B1 19841010 (FR)

Application

EP 81401944 A 19811207

Priority

FR 8100287 A 19810109

Abstract (en)

[origin: US4445525A] The arrangement is provided in order to limit or prevent leakages of cooling liquid which always occur under various circumstances at the ends of the machine. The arrangement is provided at the input and output ends of the machine for cooling metal sheets or the like, which is of the type comprising an upper frame and a lower frame. Each frame comprises two lateral walls interconnected by a case which defines an enclosure in which the cooling liquid circulates. The arrangement resides in the fact that there are provided, at each of said ends, on one hand, a sump for collecting the cooling liquid and carried by the lower frame and extending throughout the width of the machine and, on the other hand, a device carried by the upper frame and adapted to project toward the interior of the machine a jet of fluid which is directed in counter-current fashion against the cooling liquid which tends to issue from the machine.

IPC 1-7

B21B 45/02; **C21D 9/54**

IPC 8 full level

B21B 45/02 (2006.01); **C21D 9/52** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP US)

B21B 45/0218 (2013.01 - EP US); **C21D 9/573** (2013.01 - EP US)

Cited by

DE3329639A1; US5774484A

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0056917 A1 19820804; **EP 0056917 B1 19841010**; DE 3166641 D1 19841115; FR 2497694 A1 19820716; FR 2497694 B1 19840323; IT 1145216 B 19861105; IT 8168573 A0 19811203; JP S57137429 A 19820825; JP S6410576 B2 19890222; US 4445525 A 19840501

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