

Title (en)

SLIT NOZZLE FOR SPRAYING A CONTINUOUS CASTING PRODUCT WITH A COOLING LIQUID

Title (de)

SCHLITZDÜSE ZUM BESPRÜHEN EINES STRANGGUSSPRODUKTES MIT EINER KÜHLFLÜSSIGKEIT

Title (fr)

BUSE A JET EVENTAIL DESTINE A PULVERISER UN LIQUIDE DE REFROIDISSEMENT SUR UN PRODUIT DE COULEE CONTINUE

Publication

EP 1047504 A1 20001102 (DE)

Application

EP 98959851 A 19981105

Priority

- CH 263997 A 19971114
- EP 9807069 W 19981105

Abstract (en)

[origin: US6360973B1] The spray nozzle comprises a mixing chamber into which a liquid, forming a first and a second liquid stream, can flow through two inlet openings and which comprises an outlet opening, disposed downstream, for a spray jet. A mixing chamber wall acts as a guide surface for the liquid streams and is shaped at the outlet opening such that the liquid streams meet at an angle at the outlet opening and then form the spray jet. Given an angle of impact of approximately 90°, this spraying process delivers droplets with a high level of kinetic energy and a broad uniform fan-out of the droplet paths. Large areas can therefore be uniformly sprayed with the spray nozzle from a considerable distance.

IPC 1-7

B05B 1/04

IPC 8 full level

B05B 1/04 (2006.01); **B21B 45/02** (2006.01); **B22D 11/124** (2006.01); **C21D 1/667** (2006.01); **B05B 1/26** (2006.01)

CPC (source: EP US)

B05B 1/04 (2013.01 - EP US); **B05B 1/042** (2013.01 - EP US); **B21B 45/0233** (2013.01 - EP US); **B22D 11/1246** (2013.01 - EP US); **C21D 1/667** (2013.01 - EP US); **B05B 1/26** (2013.01 - EP US)

Cited by

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