

Title (en)

LINEAR WATER SPRAY DEVICE FOR COOLING SHEET METAL.

Title (de)

GERADLINIGES WASSERSPRÜHGERÄT ZUR KÜHLUNG VON BLECHEN.

Title (fr)

DISPOSITIF LINEAIRE DE PULVERISATION D'EAU DE REFROIDISSEMENT DE TOLES.

Publication

EP 0414739 B1 19940105 (FR)

Application

EP 89905124 A 19890420

Priority

FR 8805350 A 19880422

Abstract (en)

[origin: WO8910203A1] Spray device in which the water spray from a water chamber (8) is supplied to the spray head (16) by cylindrical tubes (12) inducing a head loss. The water from the tubes (12) is guided by tubes (13) into a V-shaped water outlet channel (18) forming a continuous slot (19). Water ejection means (7) are mounted on either side of the slot and in the air conduits (3, 4); said water ejection means (7) are formed by vanes (21) in which the flow of spray water is guided perpendicularly to the surface of the item to be treated. Said vanes, which are segment-shaped, are placed end to end along the length of the slot and form converging conduits for the air, ending in rectangular slot openings. A second embodiment is given for a vertical-jet spray.

IPC 1-7

B05B 7/02; **B21B 45/02**

IPC 8 full level

B05B 7/02 (2006.01); **B05B 7/06** (2006.01); **B21B 45/02** (2006.01)

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