

Title (en)

SYSTEM FOR CONTINUOUSLY COOLING METAL STRIP

Title (de)

SYSTEM ZUR KONTINUIERLICHEN KÜHLUNG VON METALLBÄNDERN

Title (fr)

SYSTEME DE REFROIDISSEMENT EN CONTINU DE FEUILLARDS

Publication

EP 0495115 B1 19961106 (EN)

Application

EP 91913119 A 19910726

Priority

- JP 20272590 A 19900731
- JP 9101009 W 19910726

Abstract (en)

[origin: EP0495115A1] A system for continuously cooling a metal strip which comprises at least one cooling roll rotatable and in contact with the metal strip, for cooling the metal strip continuously moving in the lengthwise direction thereof, said cooling roll allowing a cooling liquid to flow therethrough for continuously cooling said cooling roll, and a contact area between the surface of said cooling roll and the surface of the metal strip being controllable; a gas cooling machine disposed at the outlet of said cooling roll, for continuously cooling the metal strip by blowing the cooling gas onto the metal strip in such a manner that the distribution of temperature in the direction of a plate width of the metal strip is kept uniform after the final cooling, said gas cooling machine including a plurality of nozzle headers being independent of one another, for blowing the cooling gas onto the metal strip, and said plurality of nozzle headers controlling at least one of the flowrate and the flow velocity of the cooling gas in the direction of the plate width of the metal strip; a first tension adjusting machine disposed at the inlet of the said cooling roll; and a second tension adjusting machine disposed at the outlet of the gas cooling machine. <IMAGE>

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IPC 8 full level

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