

Title (en)

METHOD FOR OPERATING A CONTINUOUS ANNEALING OR GALVANISATION LINE FOR A METAL STRIP

Title (de)

VERFAHREN ZUM BETREIBEN EINER DURCHGEHENDEN GLÜH- ODER GALVANISIERUNGSLEITUNG FÜR EINEN METALLSTREIFEN

Title (fr)

PROCEDE DE MISE EN UVRE D'UNE LIGNE DE RECUIT OU DE GALVANISATION EN CONTINU D'UNE BANDE METALLIQUE

Publication

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Application

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Abstract (en)

[origin: WO2009027593A1] The invention relates to a method for operating a continuous annealing or galvanisation line for a metal strip, comprising a section for heating by direct flame (9) with an upstream zone (10) and a downstream zone (11), the section for heating by direct flame (9) being followed by a section for heating by radiant tubes, the metal strip being indirectly heated in the section for heating by direct flame (9). According to the invention, the heating of the metal strip is achieved in the upstream zone (10) by combustion of a mixture of atmospheric air and fuel such that the temperature of the combustion gas is between 1250°C and 1500°C, preferably close to 1350°C and in the downstream zone(11), the heating of the metal strip is achieved by combustion of a superoxygenated sub-stoichiometric mixture of air and fuel such that the temperature of the combustion gas achieved at the end of the upstream zone (10) is maintained until the end of the downstream zone (11) of the section for heating by direct flame (9).

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