



Title

WIPING DEVICE OF SURFACE OF THE STEEL WIRE AFTER GALVANIZING



Inventor/s - Contact

Tintelecan Marius Constantin

Marius.tintelecan@ipm.utcluj.ro



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Short presentation

The patent relates to a device for wiping the surface of steel wire after galvanizing

This device, which will finally create a thin but strong zinc layer shiny appearance.

It is known that by immersing a steel wire in a molten Zn bath,

on its surface are formed seven concentric layers of Fe-Zn alloy having a matte appearance; the phases formed differing by micro-hardness, by mode of crystallization and (of course) by their chemical composition.

The basic, incipient ideas for achieving of this device refer to:

1. Proper wiping of the wire on which the zinc is deposited
2. Sudden cooling of the whole assembly: deposited steel-zinc wire

In these moments is used to wipe the surface of the steel wire after galvanizing, a different technique variant, in a horizontal version where some pills of asbestos are pressed on the outer surface of the wire, the wire following an ascending path (given by the its pulling system of accumulation) after its exit from the molten zinc bath.

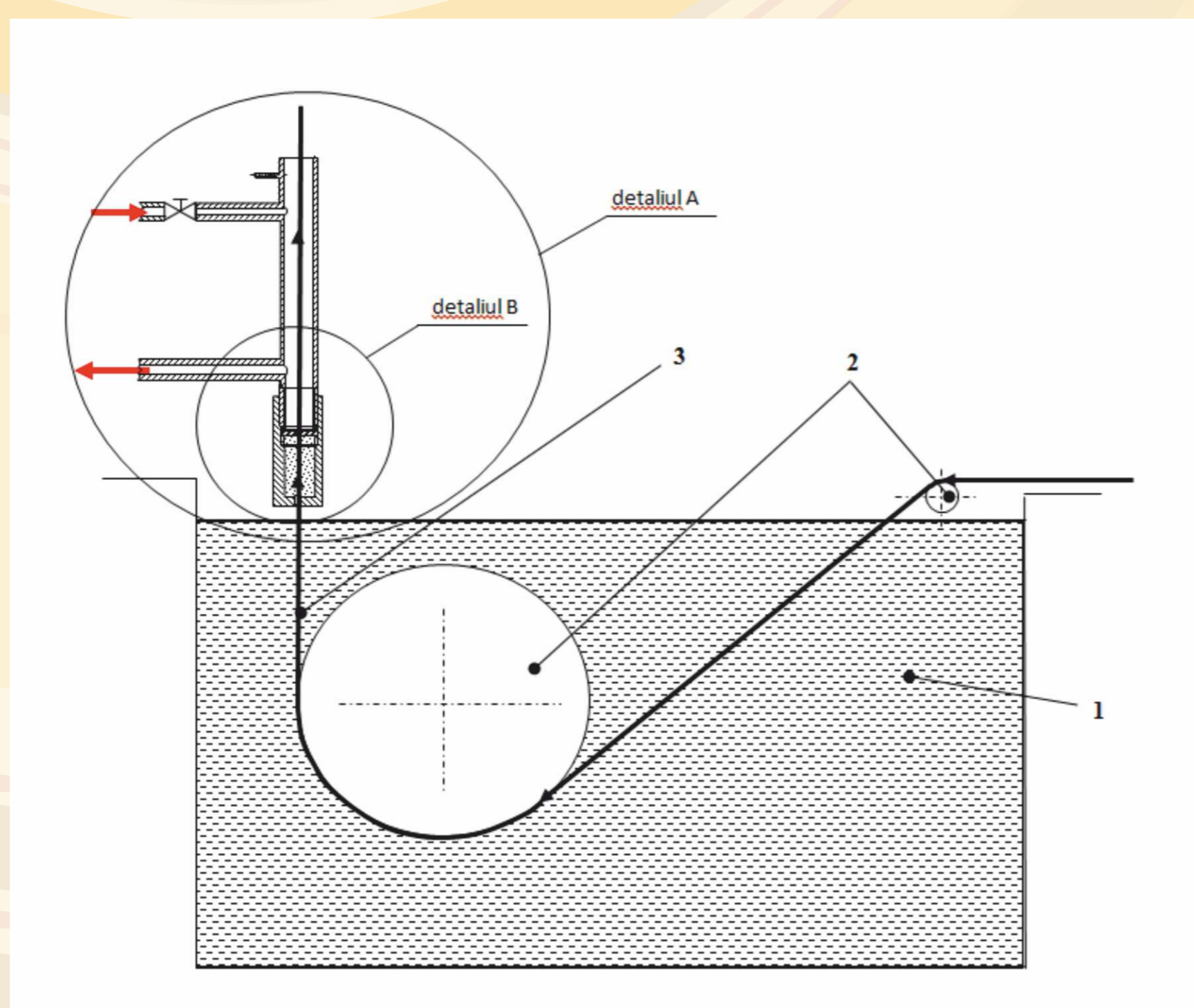


Applicability

In the metallurgical industry, when obtaining galvanized steel wire



Images



Vedere de ansamblu a dispozitivului de ștergere a suprafeței sârmei de oțel, după zincare, a vanei și a sârmei de oțel supusă ștergerii



Vedere de ansamblu (în manieră explodată) a detaliului A