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3,367,639

CONTINUOUS STRIP HEATING APPARATUS

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FIG. 1.

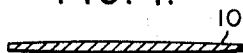


FIG. 5.

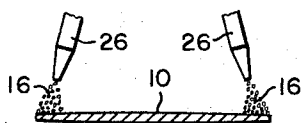
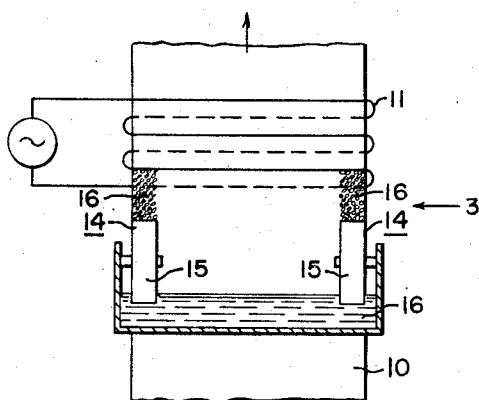
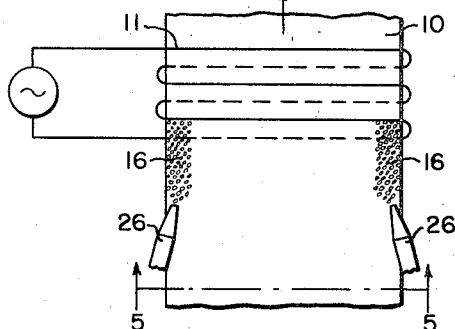


FIG. 4.





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suitable quantity of volatile liquid which becomes evaporated by the heat applied to the strip.

While the invention has been described with a certain degree of particularity as to the illustrative embodiments thereof, it is intended that the true scope and spirit of the invention be so covered by the appended claims as to embrace those modifications which will be obvious to those versed in the art by virtue of the teachings in the present patent application.

I claim:

1. Apparatus for the continuous heating of coated metal strip material which tends to become overheated and thereby miscolored at its edge portions when subjected to continuous heating, said apparatus comprising a heating station including induction heating means through which the strip is moved continuously, and means for applying a non-coloring volatile liquid exclusively to said edge portions of such strip prior to subjection to said heating means for absorbing an amount of heat from the strip during heating by such heating means sufficient to prevent overheating and discoloration of such edge portions.

2. The apparatus as claimed in claim 1, wherein the last-recited means comprises roller applicator means for engaging faces of the selected widthwise portions of the strip to transfer liquid thereto, together with a means for continuously replenishing the liquid to the roller applicator means.

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