

Title (en)

METHOD AND DEVICE FOR CONTINUOUSLY COATING AT LEAST A METAL STRIP WITH A CROSSLINKABLE POLYMER FLUID FILM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KONTINUIERLICHEN BESCHICHTEN EINES METALLISCHEN BANDES MIT FLÜSSIGKEITSFILM AUS VERNETZBAREM POLYMER

Title (fr)

PROCEDE ET DISPOSITIF DE REVETEMENT EN CONTINU D'AU MOINS UNE BANDE METALLIQUE PAR UN FILM FLUIDE EN POLYMERE RETICULABLE

Publication

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Application

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Abstract (en)

[origin: US6562407B1] The invention concerns a method for continuously coating at least a metal strip with a crosslinkable polymer fluid film free of non-active solvent or diluent and whereof the softening temperature is higher than 50° C. The method consists in continuously unwinding the metal strip (1) on at least a back-up roll (3); forming, on a roll (20) by forced flow, a layer of said crosslinkable polymer in melted state; forming, from said layer (30), said crosslinkable polymer film (31); and transferring entirely in thickness said film onto the metal strip (1) and, between the zone forming the layer (30) on the roll (20) and the zone applying the film (31) on the metal strip, in thermally conditioning the crosslinkable polymer to reduce its viscosity. The invention also concerns a coating device for implementing said method.

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