

Title (en)
WORK ROLL COATING AND METHOD FOR PRODUCING THE SAME

Title (de)
ARBEITSWALZENBESCHICHTUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
REVÊTEMENT DE CYLINDRE DE TRAVAIL ET SON PROCÉDÉ DE PRODUCTION

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Application
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Abstract (en)
The present invention relates to a method of coating a thermally-sensitive metal object with a protective coating, comprising the following steps:- a first step of applying on said thermally-sensitive metal object a coating layer containing at least one phase having at least one mechanical property that can be improved by heat treatment;- a second step of performing a superficial annealing on the coated thermally-sensitive metal object; characterised in that the superficial annealing conditions are selected so that said mechanical property of the coating is increased while the corresponding mechanical property of the metal object is not significantly thermally-affected by the annealing step, so that the coating morphology is not modified during annealing and so that the annealing does not result in the creation of additional layers at the coating/substrate interface due to inter-diffusion.

IPC 8 full level
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Citation (applicant)

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