

Title (en)
METHOD FOR MAKING A ROLL SHELL OF A ROLL USED IN THE MANUFACTURE OR FURTHER PROCESSING OF PAPER AND/OR BOARD

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES WALZENMANTELS EINER BEI DER HERSTELLUNG ODER WEITERVERARBEITUNG VON PAPIER UND/ODER PAPPE VERWENDETEN WALZE

Title (fr)
PROCEDE DE FABRICATION D'UNE VIROLE D'UN CYLINDRE UTILISE DANS LA FABRICATION OU LE TRAITEMENT DU PAPIER ET/OU DU CARTON

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Abstract (en)
[origin: WO0224964A1] The invention relates to a method for making a roll shell of a roll used in the manufacture or further processing of paper and/or board. In the method, a shell blank of the roll shell is made of steel and the shell blank is subjected to heat treatments comprising heating for hardening, quenching and tempering treatments. In accordance with the invention, in heat treatment, the quenching is carried out such that hardening takes place in a directed manner from the outer surface of the roll shell inwards. The quenching is carried out such that neutral or compression stress is produced in the surface of the roll and that the formation of tensile stress in the surface of the roll is prevented by means of quenching.

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