

Title (en)  
HEATING OF CALENDER ROLL SURFACES

Title (de)  
INDUKTIONSBEHEIZUNG VON KALENDERWALZENOVERFLÄCHEN

Title (fr)  
CHAUFFAGE PAR INDUCTION DE SURFACES DE ROULEAUX DE CALANDRE

Publication  
**EP 1141482 B1 20030423 (EN)**

Application  
**EP 98964985 A 19981230**

Priority  
US 9827727 W 19981230

Abstract (en)  
[origin: WO0040798A1] A method and apparatus for rapid heating of calender rolls (350, 352) for a calendering apparatus (200) is disclosed. At a heating area (800), the rolls (350, 352) are preheated, reheated, or maintained at any temperature prior to the rolls (350, 352) being placed into the calendering apparatus (300). The preferred method of heating is by induction heating. The rolls (350, 352) may be delivered to the heating apparatus (802) from an initial storage area (420) or the calendering apparatus (300). The rolls (350, 352) are transported by an overhead transfer mechanism (400). The disclosed method and apparatus greatly facilitate formation of multi-layered laminates and is particularly useful in the tire building art.

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IPC 8 full level  
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**WO 0040798 A1 20000713**; AU 2018899 A 20000724; BR 9816088 A 20010821; CA 2356432 A1 20000713; CA 2356432 C 20070828; DE 69813914 D1 20030528; DE 69813914 T2 20031224; EP 1141482 A1 20011010; EP 1141482 B1 20030423; ES 2195444 T3 20031201; JP 2002534294 A 20021015; TW 458877 B 20011011; ZA 997770 B 20000630

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