

Title (en)

Felt calendering of fabrics and a machine for performing it.

Title (de)

Verfahren und Vorrichtung zum Filzkalendern von Geweben.

Title (fr)

Procédé et installation de calandrage de tissus.

Publication

EP 0354192 A1 19900207 (EN)

Application

EP 89830329 A 19890717

Priority

IT 8365088 A 19880720

Abstract (en)

A wet fabric (18) is felt calendered by passing it in a succession and alternately over a plurality of rollers belonging to a first order and to a second order. An annular felt band (9) recirculating at the same speed of the fabric is maintained in contact with the fabric during the passage of the fabric over the external surface of the heated mantle of the rollers belonging to one of said two orders (3,5,7) and the felt further embraces an additional heated drying roller (8) before recirculating again on the series of rollers of said order. Alternately, e.g. between a roller embraced by the felt and the next one, the fabric travels on a roller belonging to the other order of rollers, which may also be optionally heated, without being sandwiched thereon by the recirculating felt. The temperature of each roller is separately adjustable in order to optimize the treatment conditions of the fabric, notably temperature and humidity, though being restrained to maintain a dictated speed of the fabric. The finishing characteristics which are obtained and the energy efficiency of the drying process are improved in respect to the prior art. A felt calender with these characteristics is also disclosed.

IPC 1-7

D06C 15/06

IPC 8 full level

D06C 15/06 (2006.01)

CPC (source: EP)

D06C 15/06 (2013.01)

Citation (search report)

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CN107797587A; CN115162035A

Designated contracting state (EPC)

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