

Title (en)

PAPER MACHINE FOR THE MANUFACTURE OF HIGH BULK SOFT CREPE PAPER.

Title (de)

PAPIERMASCHINE ZUR HERSTELLUNG VOLUMINÖSEN WEICHEN KREPPPAPIERS.

Title (fr)

MACHINE A PAPIER POUR LA FABRICATION DE PAPIER CREPE TENDRE A HAUT INDICE DE BOUFFANT.

Publication

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Application

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Priority

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- SE 9001468 A 19900424

Abstract (en)

[origin: WO9116493A1] A paper machine for the manufacture of a soft crepe paper grade, which in respect of bulk and softness is fully comparable to the one manufactured in a paper machine made for through-air drying by hot air, is in principle a conventional soft crepe paper machine, in which a conveying and imprinting fabric (25) is substituted for the pick-up felt. A pick-up device (23) operating with air flow picks up the web (15) from the forming fabric (9) and transfers it to the imprinting fabric (25) without any appreciable compaction of the web (15). The imprinting fabric (25) is maintained clean and dry by cleaning devices (41, 43, 45) and a device (47) for depleting the imprinting fabric (25) of water before it arrives at the pick-up device (23). Further, air current generating devices (35, 37, 39) are provided for removing water from the paper web (15) by passing air of ambient temperature through the web (15). These have a capacity that is sufficient for raising the dry solids content of the web to at least 25 % before the web arrives at the Yankee dryer (29). If desired, the paper machine may easily and in a short time be converted into a conventional soft crepe paper machine, essentially by substituting a pick-up felt for the imprinting fabric (25).

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Citation (examination)

US 4144124 A 19790313 - TURUNEN RISTO, et al

Cited by

US6808600B2; US6398916B1; US6451171B1; US6423186B1; US6540880B1; KR20100092959A; US8202396B2

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