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**Gustavsson**

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(54) **PAPER MAKING MACHINE, AN EXTENDED NIP ROLL AND A METHOD OF PRODUCING TISSUE PAPER**

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See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to an arrangement arranged to introduce a three-dimensional structure in a paper during production of said paper in a paper making machine (1). The arrangement comprises a heat roll (14) arranged to dry a wet paper web and an extended nip roll (12) arranged to form a transfer nip (TN) with said heat roll (14). The extended nip roll (12) is provided with a flexible jacket (17) arranged around the circumferential area of said extended nip roll (12). An external surface of said flexible jacket (17) is provided with a textured portion (15) and when the wet paper web passes the transfer nip between said extended nip roll (12) and said heat roll (14), said textured portion (15) of the external surface of the flexible jacket (17) will impart a three-dimensional texture to the paper web.

**23 Claims, 2 Drawing Sheets**

