Title (en)
A METHOD AND AN APPARATUS FOR GRINDING A ROLL

Title (de)
VERFAHREN UND VORRICHTUNG ZUM SCHLEIFEN EINER WALZE

Title (fr)
PROCÉDÉ ET APPAREIL DE MEULAGE D'UN ROULEAU

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Application
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Abstract (en)
[origin: WO2011083206A1] A method for grinding a roll, in which method a roll (2; 25) in a paper or paper- board machine or a corresponding machine for processing a fibrous web is ground by a grinding device (1; 15) installed in the machine, and in which method an abrasive tool (12; 16) of the grinding device (1; 15) is fed against the surface of the roll (2; 25) by a feeding device (11) controlled by a control device. In the method according to the invention, the abrasive tool (12; 16) is fed against the surface of the roll (2; 25) at a speed which is lower than the speed of change in the distance between the abrasive tool (12; 16) and the surface of the roll (2; 25) in the radial direction of the roll (2; 25) when the roll (2; 25) is rotating, as well as in such a way that the abrasive tool (12; 16) first grinds only the peak points of deviations in circularity of the roll (2; 25) and then gradually larger and larger areas as the grinding proceeds and the deviations in the circularity decrease. The invention also relates to an apparatus according to the method of the invention.

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