

Title (en)  
Calender and process for treating a web

Title (de)  
Kalender und Verfahren zum Behandeln einer Materialbahn

Title (fr)  
Calend्रे et procédé de traitement d' une bande

Publication  
**EP 1209286 A3 20030212 (DE)**

Application  
**EP 01127208 A 20011116**

Priority  
DE 10057991 A 20001123

Abstract (en)  
[origin: EP1209286A2] A calender has a bunched array of rollers with two end-rollers and a number of intermediate rollers. In operation two neighbouring rollers, each of which sags slightly, form a nip. The sag of adjacent rollers (i, i + 1) differs. especially the second roller facing the concave surface of the first roller, has less sag than the first. Also claimed is a process to treat a material web passing through several nips where it is subjected to pressure and each nip is formed by a first and second roller. The sag in each roller has a bending amplitude on the convex side of the first roller which is essentially identical to the bending amplitude on the concave side of the second roller. Each roller has a set of support bearings left and right. The distance MbML between the bearings on one roller is 0.1 to 2 per cent different to the distance MbML in the second roller bearing, with reference to the longer of the two dimensions. At least one of the intermediate bearings has a variable bearing distance MbML.

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**D21G 1/00**

IPC 8 full level  
**D21G 1/00** (2006.01)

CPC (source: EP US)  
**D21G 1/00** (2013.01 - EP US); **D21G 1/0026** (2013.01 - EP US)

Citation (search report)

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- [A] WO 9850628 A1 19981112 - VALMET CORP [FI], et al
- [DA] US 5438920 A 19950808 - KOIVUKUNNAS PEKKA [FI], et al
- [DA] DE 19820089 A1 19991118 - KUESTERS EDUARD MASCHF [DE], et al

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