

Title (en)  
Calender

Title (de)  
Kalander

Title (fr)  
Calandre

Publication  
**EP 1531199 B1 20090121 (DE)**

Application  
**EP 04105528 A 20041104**

Priority  
DE 10353138 A 20031114

Abstract (en)  
[origin: EP1531199A1] The super calender (1), to process paper webs (20), has a roller stack (2) of two end rollers (4,5) and at least three intermediate rollers (7-11) forming nips (14-19). The hard end roller (4) is next to a soft intermediate roller (7), and is powered by a drive (22,23) with meshing teeth in a given tooth count. The product of the rotary frequency of the powered end roller and the tooth count is not equal to a whole number multiple of the neighboring intermediate roller rotary frequency. The roller stack has an uneven number of rollers, with two soft rollers at the center forming an alternating soft nip (9,10;7,9).

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

CPC (source: EP)  
**D21G 1/00** (2013.01); **D21G 1/0006** (2013.01); **D21G 1/008** (2013.01)

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