

Title (en)
Calender

Title (de)
Kalander

Title (fr)
Calandre

Publication
EP 1329549 A3 20050202 (DE)

Application
EP 02027999 A 20021214

Priority
DE 20200584 U 20020116

Abstract (en)
[origin: EP1329549A2] The calender has a stack of at least five rollers, where at least two are hard rollers and the remainder have soft mantle surfaces. At least one nip between a pair of rollers can be operated independently of the other nips. All the hard rollers (3, 5) have the same diameter. The hard roller for the separate nip (26) has a higher stretch loading than the other hard roller.

IPC 1-7
D21G 1/00

IPC 8 full level
D21G 1/00 (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP)
D21G 1/00 (2013.01); **D21G 1/002** (2013.01); **D21G 1/0246** (2013.01)

Citation (search report)
• [A] US 6248215 B1 20010619 - CRAMER DIRK [DE], et al
• [A] EP 0661405 A1 19950705 - VALMET PAPER MACHINERY INC [FI]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
DE 20200584 U1 20020328; DE 50209339 D1 20070315; EP 1329549 A2 20030723; EP 1329549 A3 20050202; EP 1329549 B1 20070124

DOCDB simple family (application)
DE 20200584 U 20020116; DE 50209339 T 20021214; EP 02027999 A 20021214