

Title (en)
Extended nip calender

Title (de)
Breitnip-Kalander

Title (fr)
Calandre à pince allongée

Publication
EP 1559831 B1 20080319 (DE)

Application
EP 05100185 A 20050113

Priority
DE 102004004363 A 20040129

Abstract (en)
[origin: EP1559831A1] The wide nip (4) at a calender to polish paper and cardboard webs (5), with a shoe roller and a counter roller, is structured so that at a given pressure between the shoe roller (2) and the counter roller (3) at least 70% of the press length while the roller mantle (10) is in contact with the web is after the plane (16) through the roller axes in the direction (6) of web travel. The press shoe (11) has a bump (17) at the entry side which lower than the bump (18) at the exit side.

IPC 8 full level
D21G 1/00 (2006.01); **D21F 3/02** (2006.01)

CPC (source: EP)
D21G 1/006 (2013.01)

Designated contracting state (EPC)
DE FI SE

DOCDB simple family (publication)
EP 1559831 A1 20050803; EP 1559831 B1 20080319; DE 102004004363 A1 20050825; DE 502005003255 D1 20080430

DOCDB simple family (application)
EP 05100185 A 20050113; DE 102004004363 A 20040129; DE 502005003255 T 20050113