

Title (en)
PROCESS FOR DRYING PAPER WEBS

Title (de)
VERFAHREN ZUM TROCKNEN EINER PAPIERBAHN

Title (fr)
PROCEDE DE SECHAGE DE BANDES DE PAPIER

Publication
EP 0640158 B1 19990714 (DE)

Application
EP 93908937 A 19930413

Priority
• DE 4216264 A 19920516
• EP 9300890 W 19930413

Abstract (en)
[origin: WO9323613A1] A process is disclosed for drying voluminous paper webs, destined in particular for producing toilet paper. Instead of a relatively large, steam-heated drying cylinder, one or several heated presses are used for drying the wet paper web. The often undesirable delamination of the paper web when it leaves the compression gap, caused by the sudden expansion of the flash steam, is purposefully used in order to improve the volume and softness of the thus produced paper. Some devices for implementing the process are disclosed, having both short and elongate compression gaps.

IPC 1-7
D21F 3/02

IPC 8 full level
D21F 3/02 (2006.01)

CPC (source: EP US)
D21F 3/0218 (2013.01 - EP US); **D21F 3/0281** (2013.01 - EP US)

Designated contracting state (EPC)
AT DE FR GB IT SE

DOCDB simple family (publication)
WO 9323613 A1 19931125; AT E182193 T1 19990715; DE 4216264 A1 19931118; DE 4216264 C2 20000525; DE 59309697 D1 19990819; EP 0640158 A1 19950301; EP 0640158 B1 19990714; US 5556511 A 19960917

DOCDB simple family (application)
EP 9300890 W 19930413; AT 93908937 T 19930413; DE 4216264 A 19920516; DE 59309697 T 19930413; EP 93908937 A 19930413; US 31313694 A 19941215