

Title (en)
Paper machine

Title (de)
Papiermaschine

Title (fr)
Machine à papier

Publication
EP 1072721 B1 20060628 (DE)

Application
EP 00106510 A 20000325

Priority
DE 19934875 A 19990724

Abstract (en)
[origin: US6638395B1] Machine and process for at least one of producing and finishing a fibrous material web. The machine includes a press section, for dewatering the fibrous web, with a press nip, a former, located before, relative to a web travel direction, the press section for sheet formation, and a dryer section, located after the press section for drying the fibrous material web including a first dryer section having no more than three dryer cylinders. Two press rolls are arranged to form the press nip, and at least one press felt is located on each surface of the material web, such that the material web and the at least one press felt on each side of the material web are guided through the press nip. The fibrous material web is dewatered in the former to a dry content of at least approximately 18%, partially loops around the no more than three dryer cylinders, and is constantly supported from the former to an end of the first dryer group. The process includes dewatering the fibrous material web in the former to dry content of at least approximately 18%, dewatering the fibrous material web in only one press nip in the press section, and looping the fibrous material web around no more than three dryer cylinders in a first dryer group of the dryer section a dryer section. The fibrous material web is constantly supported between the former and an end of the first dryer group.

IPC 8 full level
D21F 3/02 (2006.01); **D21F 3/04** (2006.01); **D21F 5/04** (2006.01); **D21F 9/02** (2006.01)

CPC (source: EP US)
D21F 3/045 (2013.01 - EP US); **D21F 9/02** (2013.01 - EP US)

Cited by
EP1978154A1; WO2013034331A1; CN111501396A; EP1281807A3; DE102011083367A1; WO2004022845A1; WO2016083172A1; DE102011004565A1; WO2012113467A1; DE102011082161A1; US7192507B2; DE102010031450A1; WO2012007212A1; DE102011081239A1; DE102010031447A1; DE102011005747A1; WO2012126875A1; EP2305882A2; DE102009045177A1; DE102009045185A1; DE102011004568A1; WO2012113466A1; EP2678471B1; EP1936026B2

Designated contracting state (EPC)
DE FI SE

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US 6638395 B1 20031028; CA 2314347 A1 20010124; CA 2314347 C 20081230; DE 19934875 A1 20010125; DE 50013082 D1 20060810; EP 1072721 A2 20010131; EP 1072721 A3 20010822; EP 1072721 B1 20060628; JP 2001049589 A 20010220; JP 4717985 B2 20110706

DOCDB simple family (application)
US 59028900 A 20000609; CA 2314347 A 20000719; DE 19934875 A 19990724; DE 50013082 T 20000325; EP 00106510 A 20000325; JP 2000196505 A 20000629