

Title (en)

METHOD AND APPARATUS FOR MAKING SOFT TISSUE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON WEICHEM TISSUEPAPIER

Title (fr)

PROCEDE ET APPAREIL DE FABRICATION DE PAPIER DOUX

Publication

EP 0907797 A1 19990414 (EN)

Application

EP 97924516 A 19970425

Priority

- US 9706894 W 19970425
- US 64750896 A 19960514

Abstract (en)

[origin: WO9743484A1] An uncreped tissue sheet having improved softness results from supplementally dewatering a wet web to a consistency of greater than about 30 percent using noncompressive dewatering techniques (30) prior to a differential speed transfer (37) and subsequent throughdrying (44). An air press (30) particularly well suited for providing the supplemental noncompressive dewatering incorporates side (80) and/or end seals (78) to minimize escape of pressurized fluid.

IPC 1-7

D21F 11/00; **D21F 11/14**; **D21F 5/14**; **D21F 5/18**

IPC 8 full level

D21F 1/48 (2006.01); **D21F 1/52** (2006.01); **D21F 5/14** (2006.01); **D21F 5/18** (2006.01); **D21F 11/00** (2006.01); **D21F 11/14** (2006.01)

CPC (source: EP)

D21F 1/48 (2013.01); **D21F 1/52** (2013.01); **D21F 11/006** (2013.01); **D21F 11/14** (2013.01)

Citation (search report)

See references of WO 9743484A1

Cited by

US6506287B1

Designated contracting state (EPC)

BE DE ES FR GB IT NL PT SE

DOCDB simple family (publication)

WO 9743484 A1 19971120; AR 007080 A1 19991013; AR 012662 A2 20001108; AU 2991997 A 19971205; AU 710298 B2 19990916; BR 9709083 A 19990803; CA 2252695 A1 19971120; CO 5031318 A1 20010427; DE 69734980 D1 20060202; DE 69734980 T2 20060921; EP 0907797 A1 19990414; EP 0907797 B1 20051228; SV 1997000039 A 19980420; TW 403802 B 20000901; ZA 974113 B 19971209

DOCDB simple family (application)

US 9706894 W 19970425; AR P970101957 A 19970905; AR P980102093 A 19980505; AU 2991997 A 19970425; BR 9709083 A 19970425; CA 2252695 A 19970425; CO 97025516 A 19970513; DE 69734980 T 19970425; EP 97924516 A 19970425; SV 1997000039 A 19970513; TW 86107515 A 19970602; ZA 974113 A 19970513