

Title (en)
Surge control system.

Title (de)
Vakuumüberwachungssystem.

Title (fr)
Système de contrôle du vide.

Publication
EP 0179658 A2 19860430 (EN)

Application
EP 85307666 A 19851024

Priority
US 66502684 A 19841026

Abstract (en)
A surge control system for dewatering press felts on a papermaking machine which includes a suction pipe (12), a variable speed drive motor (38), a centrifugal exhauster (26) driven by the variable speed drive motor and connected to the suction pipe to provide vacuum to a felt (14) passing over a slot (18) for dewatering thereof. A surge valve (28) is provided and is opened to admit air to the centrifugal exhauster (26) so as to prevent surge when the centrifugal exhauster is operating at a predetermined level at which the centrifugal exhauster will surge.

IPC 1-7
D21F 7/12

IPC 8 full level
D21F 1/00 (2006.01); **D21F 1/48** (2006.01); **D21F 7/12** (2006.01); **F04D 27/02** (2006.01)

CPC (source: EP KR)
D21F 7/12 (2013.01 - EP KR); **F04D 27/009** (2013.01 - EP); **F04D 27/004** (2013.01 - EP); **F05D 2270/10** (2013.01 - EP)

Cited by
US8961149B2; WO2012010741A3; AT517649A1; EP2630376A4

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0179658 A2 19860430; EP 0179658 A3 19870128; EP 0179658 B1 19890524; AT E43377 T1 19890615; AU 4389585 A 19860501; AU 570120 B2 19880303; CA 1251673 A 19890328; DE 3570470 D1 19890629; FI 81147 B 19900531; FI 81147 C 19900910; FI 852589 A0 19850628; FI 852589 L 19860427; JP H032992 B2 19910117; JP S61108790 A 19860527; KR 860003385 A 19860523; KR 920000753 B1 19920121; NO 167219 B 19910708; NO 167219 C 19911016; NO 854284 L 19860428; ZA 854989 B 19860528

DOCDB simple family (application)
EP 85307666 A 19851024; AT 85307666 T 19851024; AU 4389585 A 19850620; CA 493845 A 19851025; DE 3570470 T 19851024; FI 852589 A 19850628; JP 21929385 A 19851003; KR 850007594 A 19851015; NO 854284 A 19851025; ZA 854989 A 19850702