

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  
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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)

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