

Title (en)  
Method of operating a papermaking machine and papermaking machine

Title (de)  
Verfahren zum Betreiben einer Papiermaschine sowie Papiermaschine

Title (fr)  
Procédé d'exploitation d'une machine à papier et machine à papier

Publication  
**EP 1348807 A1 20031001 (DE)**

Application  
**EP 03100340 A 20030214**

Priority  
DE 10213851 A 20020327

Abstract (en)  
A paper-processing machine has two cylinders (12, 14) forming a nip gap through which a paper web feeds continually. The nip gap (16) is esp. monitored by a sound emitter and detector (18) in air close to an elastic cylinder (12). The sound detector (18) is located in the immediate vicinity of the gap and operates on a continuous, semi-continuous or intermittent basis. The detector is coupled to a measurement and control unit (22) which gives a warning when the sound passes a pre-determined threshold linked to the barring effect associated with the onset of faulty paper quality. The measurement and control unit is further linked to a cooling water supply to the cylinder.

Abstract (de)  
Bei einem Verfahren zum Betreiben einer Papiermaschine werden Schwingungen, die an wenigstens einer Walze (12,28) und/oder an wenigstens einem zwischen einer Walze (12) und einer Gegenfläche, insbesondere Gegenwalze (14) gebildeten Nip (16) auftreten, durch eine im Bereich der Walze (12,28) bzw. im Bereich des Nips (16) durchgeführte Schallmessung überwacht. Es wird auch eine entsprechende Papiermaschine beschrieben. <IMAGE>

IPC 1-7  
**D21G 1/00**; **D21G 9/00**

IPC 8 full level  
**D21G 1/00** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP US)  
**D21G 1/008** (2013.01 - EP US); **D21G 9/0045** (2013.01 - EP US)

Citation (search report)  
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• [YD] WO 9920836 A1 19990429 - VALMET CORP [FI], et al  
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