Title (en)

Press roll surveillance

Title (de)

Presswalzenüberwachung

Title (fr)

Surveillance d'un rouleau de presse

Publication

EP 1693509 B1 20110323 (DE)

Application

EP 05111361 A 20051128

Priority

DE 102005007835 A 20050221

Abstract (en)

[origin: EP1693509A1] Monitoring a press roll (4) in a machine for producing or finishing a fibrous web (1), where the press roll comprises a rotating cylinder (2) supported on a static pressure element (3) and the gap between the cylinder and the pressure element is lubricated with a liquid lubricant, comprises monitoring the state of the cylinder with optical and/or thermographic sensors that send a fault signal to a control unit (10) in the event of leakage or impending leakage, where either one sensor monitors the surface of the web or a tracer is added to the lubricant to improve optical leak detection.

IPC 8 full level

D21F 3/02 (2006.01); **D21G 9/00** (2006.01); **G01M 3/04** (2006.01); **G01M 99/00** (2011.01)

CPC (source: EP)

B30B 15/0088 (2013.01); **D21F 3/0218** (2013.01); **D21G 9/0036** (2013.01); B30B 3/04 (2013.01)

Cited by

CN109311106A; EP2042654A3; CN107322987A; EP2042654A2; WO2020057793A1; WO2023198541A1; WO2009156314A1; WO2020141060A1

Designated contracting state (EPC)

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