

Title (en)

Improvements in the procedure for heating calenders.

Title (de)

Verfahren zum Heizen von Kalandern.

Title (fr)

Perfectionnements dans la procédure pour le chauffage des calendres.

Publication

EP 0515299 A1 19921125 (EN)

Application

EP 92500062 A 19920520

Priority

ES 9101252 A 19910524

Abstract (en)

A plurality of electric heat sources (2) are arranged within a turning cylinder (6), and are controlled independently from each other by sensors (12) which keep the outer temperature of the calender (6) uniform, compensating the temperature variations that occur during its functioning. <IMAGE>

IPC 1-7

D21F 5/02; D21G 1/02

IPC 8 full level

D21F 5/02 (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP)

D21F 5/024 (2013.01); **D21G 1/028** (2013.01); **D21G 1/0286** (2013.01)

Citation (search report)

- [X] US 3182587 A 19650511 - WOODHALL EDWIN S
- [X] DE 3400087 C1 19850530 - VOITH GMBH J M
- [A] EP 0418444 A1 19910327 - SEMTI SARL [FR]
- [A] GB 2077315 A 19811216 - KUESTERS EDUARD
- [A] US 3216489 A 19651109 - NORTON WILLIAM H
- [AP] EP 0471655 A1 19920219 - VALMET PAPER MACHINERY INC [FI]

Cited by

DE10026883C1; DE20020157U1; EP0809570A4; DE20101859U1; US5750961A; US2009264268A1; US8464623B2; CN110924217A; EP3815896A1; EP0708397A2; US6554755B2; JP4890557B2

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