

Title (en)
MULTI-NIP SUCTION PRESS

Publication
EP 0069667 B1 19881130 (EN)

Application
EP 82401255 A 19820705

Priority
CA 381190 A 19810706

Abstract (en)
[origin: EP0069667A2] The present invention provides a drying apparatus for use in a papermaking machine and comprising at least four press rollers in nip contact with one another in succession in a closed train to define a substantially sealed chamber between the press rollers and chamber end walls. At least one of the press rollers is a hollow roller having a pervious outer wall to support at least one endless felt disposed for advance over an outer support surface of at least some of the rollers and passing through all of the nip contacts. The endless felt is a pervious carrier for a paper sheet to be dried. Resilient support means is provided for at least one press roller. Drive means is also provided for at least one press roller. Conduit means permits air movement through the hollow roller and the chamber. Air displacement means is connected to the conduit means. The air movement passes through the sheet carried on the felt whereby to extract moisture from the sheet and for convection of the moisture by the conduit means.

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D21F 3/04

IPC 8 full level
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CPC (source: EP)
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Cited by
EP1088936A3; **US6381868B1**; **US6692008B2**

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