

Title (en)  
APPARATUS FOR TREATING A WEB

Publication  
**EP 0295655 B1 19920520 (DE)**

Application  
**EP 88109549 A 19880615**

Priority  
DE 3720132 A 19870616

Abstract (en)  
[origin: US4875297A] A device for treating a material web comprising a heating roller with at least one flow channel extending through the heating roller in its longitudinal direction, feed and return pipes for a heat carrier fluid flowing through the heating roller, a heating device for the heat carrier, and a counter roller, which is in contact with the heating roller; an additional heating device heats the heating roller from the outside; and a control unit connected to both heating devices heats or cools the heating roller as a function of predetermined operating conditions.

IPC 1-7  
**D21F 5/02**; **D21G 1/00**

IPC 8 full level  
**D21F 5/02** (2006.01); **D21G 1/00** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP US)  
**D21F 5/022** (2013.01 - EP US); **D21G 1/0253** (2013.01 - EP US)

Citation (examination)  
WOCHENBLATT DER PAPIERFABRIKATION, Bände 23/24, Dezember 1986, Biberach an der Riss; R.Kurtz "On-line Glättverfahren", Seiten 984-987.

Cited by  
DE4130672A1; US5693243A; EP1703018A1; EP2133466A3; DE3926028A1; FR2634008A1; EP0690169A1; DE4410675A1; US5571066A; DE4410675C2

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AT GB IT

DOCDB simple family (publication)  
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