

Title (en)  
Machine for the manufacture of a fibrous web

Title (de)  
Maschine zur Herstellung einer Faserstoffbahn

Title (fr)  
Machine pour la fabrication d'une bande fibreuse

Publication  
**EP 0854229 A3 19990728 (DE)**

Application  
**EP 97119305 A 19971105**

Priority  
DE 19654198 A 19961223

Abstract (en)  
[origin: US6004429A] A machine and method for producing a fibrous material web, in particular a tissue paper or bathroom tissue web, whereby the machine includes at least one pre-press embodied as a shoe press, a main press, in the form of a press roll, and a drying cylinder, an endless top belt guided through the nips of the pre-press and the main press, and an underfelt guided via a bottom roll of the pre-press, wherein the top belt supplies the fibrous material web that has been preformed in a former first to the pre-press and then to the main press. The pre-press, which is embodied as a shoe press and has a nip that is elongated in the web travel direction, includes an upper shoe press unit and a bottom roll disposed opposite this. The upper shoe press unit is provided with a smooth, rotating flexible press belt. The bottom roll is grooved. A relatively dense overfelt is provided as the top belt whose water permeability is lower than that of the underfelt, but in the main press when pressing against the drying cylinder, still permits the removal of additional water from the fibrous material web. The press roll associated with the main press has a perforated and/or grooved surface for absorbing expressed water.

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Citation (search report)

- [A] DE 4224730 C1 19930902
- [PA] DE 19548747 A1 19970703 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [PA] DE 29712682 U1 19970925 - VOITH SULZER PAPIERMASCH GMBH [DE]

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**US 6004429 A 19991221**; AT E237027 T1 20030415; DE 19654198 A1 19980625; DE 59709774 D1 20030515; EP 0854229 A2 19980722; EP 0854229 A3 19990728; EP 0854229 B1 20030409

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