

Title (en)  
APPARATUS FOR COATING A SHEET MATERIAL

Publication  
**EP 0287759 B1 19921007 (DE)**

Application  
**EP 88102005 A 19880211**

Priority  
DE 3709295 A 19870324

Abstract (en)  
[origin: US4836134A] A device for coating a web of material that travels around a backing roller, with a coating chamber that opens toward the backing roller, and with a liquid-coating intake that has an overflow gap at the paper-intake end and is closed off by a metering unit at the paper-exit end. The coating device allows establishment of a wider range of coating densities (e.g. 4-20 g/m<sup>2</sup>) without great expenditure and without coating defects in the coating. The metering unit accordingly pivots independently of the coating chamber (3) around an axis that parallels that of the backing roller and is sealed off by a sealing structure (12) from the structure (6) that demarcates the coating chamber.

IPC 1-7  
**B05C 11/02; D21H 23/36**

IPC 8 full level  
**B05C 11/04** (2006.01); **B05C 3/18** (2006.01); **B05C 5/02** (2006.01); **B05C 11/02** (2006.01); **D21H 23/36** (2006.01)

CPC (source: EP US)  
**B05C 3/18** (2013.01 - EP US); **D21H 23/36** (2013.01 - EP US)

Cited by  
US5538557A; DE4337386C2; CN102873982A; DE9214884U1; WO9506164A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**US 4836134 A 19890606**; AT E81365 T1 19921015; BR 8801312 A 19881101; CA 1309246 C 19921027; DE 3709295 A1 19881013; DE 3709295 C2 19930506; DE 3875152 D1 19921112; EP 0287759 A1 19881026; EP 0287759 B1 19921007; ES 2036607 T3 19930601; FI 881394 A0 19880323; FI 881394 A 19880925; FI 91721 B 19940429; FI 91721 C 19940810; JP S63256161 A 19881024

DOCDB simple family (application)  
**US 17158288 A 19880322**; AT 88102005 T 19880211; BR 8801312 A 19880323; CA 562158 A 19880323; DE 3709295 A 19870324; DE 3875152 T 19880211; EP 88102005 A 19880211; ES 88102005 T 19880211; FI 881394 A 19880323; JP 6596088 A 19880322