

Title (en)

Apparatus for applying directly or indirectly a fluid or pasty medium onto one or both sides of a moving surface

Title (de)

Vorrichtung zum direkten oder indirekten, ein- oder beidseitigen Auftragen eines flüssigen oder pastösen Mediums auf eine laufende Oberfläche

Title (fr)

Dispositif pour enduire directement ou indirectement une ou deux faces d'une surface en mouvement avec un matériau fluide ou pâteux

Publication

EP 0949380 A3 20000607 (DE)

Application

EP 99105523 A 19990318

Priority

DE 19816337 A 19980411

Abstract (en)

[origin: EP0949380A2] The nozzle unit (6) of a coating unit is directed along the running direction of the free surface of the immersed coating roller, towards the nip. PREFERRED FEATURES:- The coating unit has an open-jet, single-slot nozzle extending over the entire width of the equipment. A similar variant employs a row of individual nozzles. The nozzle pre-coats the running surface (B), the immersed coating roller applying the main coating. Alternatively only the nozzle forms the coating, the immersed roller merely leveling the coating. The immersed roller rotates with or against the surface travel. It may not be driven at all. The nozzle sprays the surface of the immersed roller. The immersed roller carries an endless intervening belt running around idlers, the nozzle spraying the belt in this case.

IPC 1-7

D21H 23/32; **B05C 5/00**

IPC 8 full level

B05C 1/08 (2006.01); **B05C 1/14** (2006.01); **B05C 5/02** (2006.01); **D21H 23/32** (2006.01); **D21H 23/50** (2006.01); **D21H 23/56** (2006.01)

CPC (source: EP US)

B05C 1/0826 (2013.01 - EP US); **B05C 1/0834** (2013.01 - EP US); **D21H 23/32** (2013.01 - EP US); **B05C 1/14** (2013.01 - EP US); **B05C 9/04** (2013.01 - EP US); **B05C 11/04** (2013.01 - EP US); **D21H 23/50** (2013.01 - EP US); **D21H 23/56** (2013.01 - EP US)

Citation (search report)

- [X] EP 0794287 A1 19970910 - VALMET CORP [FI]
- [X] WO 9619617 A1 19960627 - BTG KAELE INVENTING AB [SE], et al
- [X] EP 0781608 A2 19970702 - VALMET CORP [FI]
- [X] EP 0617167 A1 19940928 - VALMET PAPER MACHINERY INC [FI]
- [PX] EP 0881330 A2 19981202 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [A] WO 9713035 A1 19970410 - VALMET CORP [FI], et al
- [A] WO 9317182 A1 19930902 - FORMICA ESPANOLA [ES]

Cited by

CN111468368A; US6579574B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0949380 A2 19991013; **EP 0949380 A3 20000607**; DE 19816337 A1 19991014; US 6214112 B1 20010410

DOCDB simple family (application)

EP 99105523 A 19990318; DE 19816337 A 19980411; US 28923599 A 19990409