

Title (en)

Device to aspirate particles resulting from manufacturing operations on moving webs

Title (de)

Absaugvorrichtung zur Entfernung von bei Bearbeitungen an bewegten Materialbahnen entstehenden Partikeln

Title (fr)

Dispositif pour l'aspiration de particules résultantes des opérations de manufacture sur les bandes en mouvement

Publication

EP 1787732 A1 20070523 (DE)

Application

EP 06024082 A 20061121

Priority

DE 102005055312 A 20051121

Abstract (en)

The device has a material web (2) projecting around a guide or deflection pulley (1) in a housing (3), where the pulley protrudes through an opening (4) in a lower side of the housing. The opening extends over an entire width of the pulley and is narrowed by edges in a longitudinal direction, where the edges maintain a small distance to a shell surface of the pulley and/or the surface of the web. The housing has an air supply channel (7) and an air discharging channel (8) that are arranged opposite to each other in the direction, and an air flow is guided through the channels in the direction.

IPC 8 full level

B08B 5/04 (2006.01); **B26D 7/18** (2006.01)

CPC (source: EP)

B08B 5/046 (2013.01); **B26D 7/1863** (2013.01); **B26D 7/088** (2013.01)

Citation (search report)

- [Y] WO 0176777 A1 20011018 - KOENIG & BAUER AG [DE], et al
- [Y] EP 0520145 A1 19921230 - ELTEX ELEKTROSTATIK GMBH [DE]
- [YX] EP 0682992 A2 19951122 - VALMET PAPER MACHINERY INC [FI]
- [A] DD 135857 A1 19790606 - SCHMIDT DIETER, et al

Cited by

WO2023006717A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1787732 A1 20070523; **EP 1787732 B1 20090325**; AT E426464 T1 20090415; DE 102005055312 A1 20070606; DE 502006003246 D1 20090507

DOCDB simple family (application)

EP 06024082 A 20061121; AT 06024082 T 20061121; DE 102005055312 A 20051121; DE 502006003246 T 20061121