

Title (en)

DRUM FOR A MACHINE PRODUCING A PATTERNED NONWOVEN FABRIC AND OBTAINED NONWOVEN FABRIC

Title (de)

TROMMEL ZUR HERSTELLUNG EINES GEMUSTERTEN VLIESTOFFES UND DAMIT HERGESTELLTER VLIESTOFF

Title (fr)

TAMBOUR POUR MACHINE DE FABRICATION D'UN NON TISSE A MOTIFS ET NON TISSE OBTENU.

Publication

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Application

EP 06755513 A 20060519

Priority

- FR 2006001141 W 20060519
- FR 0505087 A 20050520

Abstract (en)

[origin: US2008193790A1] The inventive nickel drum comprises a first part whose lateral surface is provided with perforations at the first level thereof and a second part whose lateral surface is provided with perforations at the second level different from the first level. Said invention can be used for producing nonwovens.

IPC 8 full level

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Citation (opposition)

Opponent :

- WO 2006051191 A1 20060518 - RIETER PERFOJET [FR], et al
- US 2002004348 A1 20020110 - KELLY KARL DEWAYNE [US], et al
- WO 2005124001 A1 20051229 - SUOMINEN NONWOVENS LTD [FI], et al
- DE 29622987 U1 19970828 - ICBT PERFOJET SA [FR]
- DE 3508344 A1 19860911 - WINKLER DUENNEBIER KG MASCH [DE]
- WO 8504366 A1 19851010 - JOHNSON CARL W [US], et al
- US 6330735 B1 20011218 - HAHN JOHN TIMOTHY [US], et al
- DE 69124318 T2 19970717 - DU PONT [US]
- EP 0776391 A1 19970604 - ICBT PERFOJET SA [FR]
- DE 69600146 T2 19980423 - ICBT PERFOJET SA [FR]
- EP 0110463 A1 19840613 - STORK SCREENS BV [NL]
- EP 0252545 A1 19880113 - STORK SCREENS BV [NL]
- EP 0038104 A1 19811021 - STORK SCREENS BV [NL]
- DE 2616480 A1 19761111 - BUSER AG MASCHF FRITZ
- US 5098764 A 19920324 - BASSETT ALTON H [US], et al
- EP 0223614 B2 19951004 - UNI CHARM CORP [JP]
- EP 0841424 A1 19980513 - FLEISSNER MASCHF GMBH CO [DE]
- WO 0164984 A1 20010907 - POLYMER GROUP INC [US]
- EP 0705932 A2 19960410 - MCNEIL PPC INC [US]
- EP 1327712 A1 20030716 - RIETER PERFOJET [FR]
- FR 2734285 A1 19961122 - ICBT PERFOJET SA [FR]
- US 5549790 A 19960827 - VAN PHAN DEAN [US]
- US 5632072 A 19970527 - SIMON ARLENE T [US], et al

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