

Title (en)  
Double-apron drafting device

Title (de)  
Doppelriemchen-Streckwerk

Title (fr)  
Dispositif d'étirage à double manchon

Publication  
**EP 0863233 A3 19990512 (DE)**

Application  
**EP 98102622 A 19980216**

Priority  
• DE 19709580 A 19970308  
• DE 19719773 A 19970510  
• DE 19722528 A 19970530

Abstract (en)  
[origin: EP0863233A2] A double strap drawing frame has a suction zone which starts near the outlet roller pair, and extends over part of the stretch covered by the belts (6) between the outlet roller pair and the feed cylinder (5).

IPC 1-7  
**D01H 5/26**

IPC 8 full level  
**D01H 5/66** (2006.01); **D01H 5/26** (2006.01); **D01H 5/62** (2006.01); **D01H 5/64** (2006.01); **D01H 5/72** (2006.01); **D01H 5/86** (2006.01)

CPC (source: EP US)  
**D01H 5/26** (2013.01 - EP US); **D01H 5/625** (2013.01 - EP US); **D01H 5/72** (2013.01 - EP US); **D01H 5/86** (2013.01 - EP US)

Citation (search report)  
• [AD] DE 4323472 A1 19950119 - INST F TEXTIL UND VERFAHRENSTE [DE]  
• [A] DE 1039422 B 19580918 - LOUIS FRANCOIS GUIMBRETIERE, et al  
• [A] DE 29600417 U1 19960307 - ZINSER TEXTILMASCHINEN GMBH [DE]

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EP1043432A1; EP3604646A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0863233 A2 19980909; EP 0863233 A3 19990512; EP 0863233 B1 20030507**; BR 9807481 A 20020716; CN 1082574 C 20020410; CN 1196409 A 19981021; CN 1252331 C 20060419; CN 1370870 A 20020925; DE 19758757 C2 20030717; DE 19758758 C2 20030717; DE 19758759 B4 20060316; DE 59808211 D1 20030612; DE 59810426 D1 20040122; DE 59810641 D1 20040226; DE 59811969 D1 20041021; EP 1191134 A2 20020327; EP 1191134 A3 20021120; EP 1191134 B1 20040121; EP 1191135 A2 20020327; EP 1191135 A3 20021113; EP 1191135 B1 20031210; EP 1191136 A2 20020327; EP 1191136 A3 20021120; EP 1191136 B1 20040915; ES 2196411 T3 20031216; ES 2212789 T3 20040801; ES 2215104 T3 20041001; ES 2227050 T3 20050401; JP 2005042297 A 20050217; JP 2005089961 A 20050407; JP 4212008 B2 20090121; JP 4212054 B2 20090121; JP H111831 A 19990106; TR 199800394 A2 19981123; TR 199800394 A3 19981123; US 6112509 A 20000905; US 6370737 B1 20020416

DOCDB simple family (application)  
**EP 98102622 A 19980216**; BR 9807481 A 19980306; CN 01143723 A 20011215; CN 98107394 A 19980307; DE 19758757 A 19970530; DE 19758758 A 19970530; DE 19758759 A 19970530; DE 59808211 T 19980216; DE 59810426 T 19980216; DE 59810641 T 19980216; DE 59811969 T 19980216; EP 01129184 A 19980216; EP 01129185 A 19980216; EP 01129186 A 19980216; ES 01129184 T 19980216; ES 01129185 T 19980216; ES 01129186 T 19980216; ES 98102622 T 19980216; JP 2004335755 A 20041119; JP 2004335768 A 20041119; JP 5676698 A 19980309; TR 9800394 A 19980306; US 3156798 A 19980226; US 61334700 A 20000710