

Title (en)  
PAPER MACHINE FABRIC

Title (de)  
PAPIERMASCHINENSIEB

Title (fr)  
TAMIS POUR MACHINE A PAPIER

Publication  
**EP 1977037 B1 20110406 (DE)**

Application  
**EP 06818942 A 20061201**

Priority  
• EP 2006011541 W 20061201  
• DE 102006001388 A 20060111

Abstract (en)  
[origin: US7406985B2] A papermaking screen, especially for the sheet forming zone, has one paper side and one machine side with a first type of transverse yarns of the paper side and a second type of transverse yarns ( 25 to 40 ) of the machine side. The transverse yarns are woven with at least one type of longitudinal yarns ( 41 to 56 ). The longitudinal yarns ( 41 to 56 ) on the machine side within the machine-side pattern repeat bind two respective transverse yarns of the second type ( 25, 28; 31, 34; 37, 40 ). The division of the intersections for the longitudinal yarns is then improved, so that marks in the paper to be produced are prevented to the greatest extent possible.

IPC 8 full level  
**D21F 1/00** (2006.01)

CPC (source: EP KR US)  
**D21F 1/00** (2013.01 - KR); **D21F 1/0036** (2013.01 - EP US); **Y10S 162/90** (2013.01 - EP US); **Y10S 162/902** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**US 2007157988 A1 20070712; US 7406985 B2 20080805**; AT E504691 T1 20110415; BR PI0620975 A2 20111129; BR PI0620975 B1 20160927; CN 101351592 A 20090121; CN 101351592 B 20111116; DE 102006001388 A1 20070712; DE 502006009284 D1 20110519; DK 1977037 T3 20110704; EP 1977037 A1 20081008; EP 1977037 B1 20110406; ES 2362625 T3 20110708; KR 101251310 B1 20130409; KR 20080107371 A 20081210; PL 1977037 T3 20110930; PT 1977037 E 20110607; SI 1977037 T1 20110831; WO 2007087852 A1 20070809

DOCDB simple family (application)  
**US 41456006 A 20060501**; AT 06818942 T 20061201; BR PI0620975 A 20061201; CN 200680050243 A 20061201; DE 102006001388 A 20060111; DE 502006009284 T 20061201; DK 06818942 T 20061201; EP 06818942 A 20061201; EP 2006011541 W 20061201; ES 06818942 T 20061201; KR 20087019535 A 20061201; PL 06818942 T 20061201; PT 06818942 T 20061201; SI 200631054 T 20061201