

Title (en)
PAPER MAKING WIRE CLOTH

Title (de)
PAPIERMASCHINENSIEB

Title (fr)
TOILE DE MACHINE A PAPIER

Publication
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Application
EP 01938066 A 20010329

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Abstract (en)
[origin: WO0200996A1] The invention relates to a paper making wire cloth, especially for the sheet forming zone, comprising a paper side (12) and a backing side (14). Said wire cloth is formed out of at least one type of transverse threads (16, 18) which are interwoven with at least one type of longitudinal threads (20), said threads together forming repeats (A-H) and at least two different types of intersection (22, 24). The longitudinal threads (20) are alternated within the respective repeat (A-H) on the backing side (14), forming the other type of intersection (24); and the transverse threads (18) on the backing side (14) are held on their outer side (26) which faces the paper side (12), by at least two longitudinal threads (20) within said repeat (A-H) on the backing side (14). Maximum fibre support is thereby achieved on the paper side accompanied by little marking of the upper side as the points of alternation or intersections are evenly distributed.

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D21F 1/00 (2006.01)

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Citation (opposition)
Opponent :
• EP 0432413 B1 19940629 - OBERDORFER F SIEBTECH GMBH [DE]
• US 4605585 A 19860812 - JOHANSSON ARNE B [SE]
• US 5826627 A 19981027 - SEABROOK RONALD H [CA], et al
• EP 0287836 A1 19881026 - OBERDORFER FA F [DE]
• US 5865219 A 19990202 - LEE HENRY J [US], et al
• US 5564475 A 19961015 - WRIGHT WALTER P [US]
• US 5881764 A 19990316 - WARD KEVIN J [CA]
• WO 9906632 A1 19990211 - WEAVEXX CORP [US], et al
• EP 0245851 A2 19871119 - HUYCK CORP [US]
• SABIT ADANUR: "Paper machine Clothing", 1997, TECHNOMIC PUBLISHING COMPANY INC.

Cited by
US7431802B2; EP1798335A1; US7503351B2; US7537534B2

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