

Title (en)
MULTI-LAYER FABRIC FOR PAPER MAKING MACHINES

Title (de)
MEHRLAGIGES GEWEBE FÜR PAPIERMASCHINEN

Title (fr)
TISSU MULTICOUCHE POUR MACHINES DE PAPIER

Publication
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Application
EP 03814788 A 20031215

Priority

- US 0339814 W 20031215
- US 33416602 A 20021230
- US 41123503 A 20030410

Abstract (en)
[origin: WO2004061210A2] A fabric having top and bottom layers, with each layer having machine direction (MD) yarns and cross-direction (CD) yarns interwoven together. The fabric includes pairs of binder yarns that bind together the top and bottom layers. The binder pairs are interwoven so as to be an integral part of the first layer and contribute to a structure thereof. The binder pairs are a non-integral part of the second layer and do not contribute to d structure thereof. During a repeat pattern, at least one of the two binder yarns of a binder pair is integrally woven with the yarns of the first layer and passes over outer surfaces of, two non-consecutive yarns in the second layer. As a result, a "double knuckle" binding structure may be formed which improves integrity of the resulting composite fabric by reducing the length of the binder yarn path through the fabric.

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D21F 1/00

IPC 8 full level
D21F 1/00 (2006.01)

CPC (source: EP KR)
D21F 1/00 (2013.01 - KR); **D21F 1/0036** (2013.01 - EP)

Citation (search report)
See references of WO 2004061210A2

Citation (examination)

- CA 2352898 A1 20011006 - ASTENJOHNSON INC [CA]
- EP 0794283 A1 19970910 - SEABROOK RONALD H [CA], et al

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