

Title (en)
Improved low density nonwoven aramid sheets.

Title (de)
Nichtgewebte Aramidbahnen mit niedriger Dichte.

Title (fr)
Feuilles non-tissées en aramide de basse densité.

Publication
EP 0128712 A1 19841219 (EN)

Application
EP 84303693 A 19840601

Priority
US 50047383 A 19830602

Abstract (en)
A low density abrasion-resistant non woven aramid sheet made by expanding a dried, wet-laid sheet of fibrils and fibres, which has self-bonded regions made with heat and pressure. The re-wet sheet is heated dielectrically to expand the interior of the non densified portions without substantially roughening or disrupting their surface skin. The sheet may be used in upholstered furniture, especially in aircraft seat cushions and similar applications.

IPC 1-7
D21H 1/48; **D21H 5/20**

IPC 8 full level
A47C 7/24 (2006.01); **D04H 1/04** (2006.01); **D04H 1/42** (2006.01); **D21H 13/26** (2006.01); **D21H 25/00** (2006.01); **D21H 25/06** (2006.01); **D21H 27/02** (2006.01)

CPC (source: EP KR)
A47C 7/24 (2013.01 - EP); **D04H 1/4342** (2013.01 - KR); **D04H 1/50** (2013.01 - KR); **D21H 13/26** (2013.01 - EP); **D21H 25/005** (2013.01 - EP); **D21H 25/06** (2013.01 - EP); **D21H 27/02** (2013.01 - EP)

Citation (search report)

- [YD] EP 0073668 A1 19830309 - DU PONT [US]
- [Y] US RE30061 E 19790731
- [Y] FR 737923 A 19321219
- [Y] CHEMICAL ABSTRACTS, vol. 91, no. 16, 15th October 1979, page 45, no. 124579u, Columbus, Ohio, US; & JPA-54 050 613 (M. UMEDA et al.) 20-04-1979

Cited by
US4750443A; FR2573969A1; EP0496313A1; US5578368A; US5089088A; WO2006009539A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0128712 A1 19841219; **EP 0128712 B1 19861105**; AT E23378 T1 19861115; AU 1012888 A 19880428; AU 2893084 A 19841206; AU 570468 B2 19880317; AU 583998 B2 19890511; BR 8402613 A 19850430; DE 3461206 D1 19861211; DK 274084 A 19850123; DK 274084 D0 19840601; GR 81644 B 19841211; IE 55469 B1 19900926; IE 841376 L 19841202; JP S59228059 A 19841221; KR 850000549 A 19850228; KR 910005013 B1 19910720; MX 158635 A 19890220; NO 157943 B 19880307; NO 157943 C 19880615; NO 842202 L 19841203; PT 78680 A 19850101; PT 78680 B 19860711

DOCDB simple family (application)
EP 84303693 A 19840601; AT 84303693 T 19840601; AU 1012888 A 19880108; AU 2893084 A 19840601; BR 8402613 A 19840530; DE 3461206 T 19840601; DK 274084 A 19840601; GR 840174886 A 19840531; IE 137684 A 19840601; JP 10976284 A 19840531; KR 840003083 A 19840602; MX 20152184 A 19840601; NO 842202 A 19840601; PT 7868084 A 19840601