

Title (en)  
CUT AND ABRASION RESISTANT FIBROUS STRUCTURE

Title (de)  
SCHNITT- UND SCHEUERFESTES FASERGEBILDE

Title (fr)  
STRUCTURE FIBREUSE RESISTANTE A LA COUPURE ET A L'ABRASION

Publication  
**EP 1534886 A1 20050601 (EN)**

Application  
**EP 03765592 A 20030715**

Priority

- US 0322126 W 20030715
- US 19861402 A 20020718

Abstract (en)  
[origin: US2004011088A1] The invention relates to a fibrous structure comprising at least one non composite p-aramid strand and at least one nylon strand maintained in a parallel relationship to each other, the non composite para-aramid strand being present in the material in an amount ranging from about 20% to 99.9% by weight, relative to the weight of the structure. The invention also relates to a process to manufacture such structure and to high cut and abrasion resistant protective clothing made of this structure like gloves, aprons and sleeves.

IPC 1-7  
**D04B 1/16**

IPC 8 full level  
**A41D 13/00** (2006.01); **A41D 13/04** (2006.01); **A41D 19/00** (2006.01); **A41D 19/015** (2006.01); **A41D 31/00** (2006.01); **D03D 1/00** (2006.01); **D03D 15/00** (2006.01); **D04B 1/16** (2006.01); **D04H 1/4374** (2012.01)

CPC (source: EP KR US)  
**A41D 19/01505** (2013.01 - EP US); **A41D 31/24** (2019.01 - EP US); **D03D 15/283** (2021.01 - KR); **D04B 1/16** (2013.01 - EP KR US); **D04H 1/4334** (2013.01 - KR); **D10B 2331/02** (2013.01 - KR); **D10B 2331/021** (2013.01 - KR); **D10B 2401/063** (2013.01 - KR); **D10B 2501/04** (2013.01 - KR); **D10B 2501/041** (2013.01 - KR)

Citation (search report)  
See references of WO 2004009893A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**US 2004011088 A1 20040122**; AU 2003249277 A1 20040209; BR 0312748 A 20050426; CA 2492819 A1 20040129; CN 1668798 A 20050914; EP 1534886 A1 20050601; JP 2005533198 A 20051104; KR 20050025614 A 20050314; MX PA05000589 A 20050419; WO 2004009893 A1 20040129

DOCDB simple family (application)  
**US 19861402 A 20020718**; AU 2003249277 A 20030715; BR 0312748 A 20030715; CA 2492819 A 20030715; CN 03817130 A 20030715; EP 03765592 A 20030715; JP 2004523435 A 20030715; KR 20057000819 A 20050117; MX PA05000589 A 20030715; US 0322126 W 20030715