

Title (en)  
Flexible structure comprising starch filaments

Title (de)  
Flexible Struktur mit Stärkefasern

Title (fr)  
Structure flexible comprenant des fibres d' amidon

Publication  
**EP 1217106 B1 20051130 (EN)**

Application  
**EP 00127812 A 20001219**

Priority

- EP 00127812 A 20001219
- AU 7220900 A 20001213
- CA 2329290 A 20001220
- CZ 20004786 A 20001219
- JP 2000387642 A 20001220
- NO 20006374 A 20001214
- NZ 50881700 A 20001212
- SG 200007500 A 20001215
- SK 19642000 A 20001219
- ZA 200007422 A 20001212

Abstract (en)  
[origin: EP1217106A1] A flexible structure comprises a plurality of starch filaments. The structure comprises at least a first region and a second region, each of the first and second regions having at least one common intensive property selected from the group consisting of density, basis weight, elevation, opacity, crepe frequency, and any combination thereof. The common intensive property of the first region differs in value from the common intensive property of the second region. <IMAGE>

IPC 1-7  
**D01F 9/00**; **D21F 11/00**

IPC 8 full level  
**A47K 10/16** (2006.01); **D01F 9/00** (2006.01); **D02G 3/02** (2006.01); **D04H 1/4266** (2012.01); **D04H 1/4274** (2012.01); **D04H 1/724** (2012.01); **D21F 11/00** (2006.01)

CPC (source: EP)  
**D01D 5/0038** (2013.01); **D01F 9/00** (2013.01); **D21F 11/006** (2013.01)

Cited by  
CN104246042A; EP1759040A4; CN112342693A; EP1751193A4; US11364156B2; US6890872B2; US7914649B2; US6830810B2; WO2005108658A1; US6576091B1; WO2013158808A1; WO2061191A3; US9925706B2; US11773248B2; US6660129B1; US7118647B2; US10696821B2; US11118033B2; US6623854B2; US10766186B2; US6746766B2; US7772391B2; US7851391B2; US8049004B2; US11198972B2; US11970818B2; US7615278B2; US6743506B2; US8535466B2; US9103056B2; US7572504B2; WO2018081189A1; WO2006009992A1; WO2018081190A1; WO2018081192A1; US6783854B2; US6576090B1; US6743571B1; US6913859B2; US7799411B2; US8202605B2; WO2016137751A1; US10030078B2; US7579062B2; US9758930B2; US10745865B2; US10745864B2; US11162224B2; US11486097B2; US11879215B2; EP3369845B1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1217106 A1 20020626**; **EP 1217106 B1 20051130**; AT E311489 T1 20051215; AU 7220900 A 20020620; AU 758401 B2 20030320; CA 2329290 A1 20020620; CA 2329290 C 20070410; CZ 20004786 A3 20021016; DE 60024472 D1 20060105; DE 60024472 T2 20060713; ES 2251343 T3 20060501; JP 2002201556 A 20020719; JP 3822053 B2 20060913; NO 20006374 D0 20001214; NO 20006374 L 20020617; NZ 508817 A 20021025; SG 92770 A1 20021119; SK 19642000 A3 20020702; ZA 200007422 B 20020925

DOCDB simple family (application)  
**EP 00127812 A 20001219**; AT 00127812 T 20001219; AU 7220900 A 20001213; CA 2329290 A 20001220; CZ 20004786 A 20001219; DE 60024472 T 20001219; ES 00127812 T 20001219; JP 2000387642 A 20001220; NO 20006374 A 20001214; NZ 50881700 A 20001212; SG 200007500 A 20001215; SK 19642000 A 20001219; ZA 200007422 A 20001212