

Title (en)
TWO-SIDED SINGLE-NEEDLE UNDER-THREAD STITCHING PROCESS

Title (de)
ZWEISEITEN-EINNADEL-UNTERFADEN-NÄHTECHNIK

Title (fr)
TECHNIQUE DE COUTURE SUR DEUX FACES, À FIL INFÉRIEUR ET À UNE AIGUILLE

Publication
EP 2203298 A1 20100707 (DE)

Application
EP 08803072 A 20080818

Priority
• EP 2008060782 W 20080818
• DE 102007051422 A 20071025

Abstract (en)
[origin: CN101417518A] The invention relates to a method for enhancing an interlayer structure. The surface layer of the interlayer structure can be made of fibre-plastic compound materials (FKV) preferably, and the core layer material is made of polymeric rigid foams.

IPC 8 full level
B29C 70/24 (2006.01); **B29C 70/08** (2006.01); **B32B 5/28** (2006.01); **B32B 7/08** (2006.01)

CPC (source: EP KR US)
B29C 70/086 (2013.01 - EP KR US); **B29C 70/24** (2013.01 - EP KR US); **B29C 70/545** (2013.01 - EP KR US); **B32B 5/245** (2013.01 - EP KR US); **B32B 2250/40** (2013.01 - EP KR US); **B32B 2262/0261** (2013.01 - EP US); **B32B 2262/0269** (2013.01 - EP KR US); **B32B 2262/0276** (2013.01 - EP KR US); **B32B 2262/101** (2013.01 - EP KR US); **B32B 2262/103** (2013.01 - EP KR US); **B32B 2262/106** (2013.01 - EP KR US); **B32B 2479/00** (2013.01 - EP KR US); **B32B 2605/00** (2013.01 - EP KR US); **Y02T 50/40** (2013.01 - EP US); **Y10T 428/24033** (2015.01 - EP US)

Citation (search report)
See references of WO 2009053129A1

Cited by
DE102013223347A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007051422 A1 20090430; AU 2008315588 A1 20090430; BR PI0818817 A2 20150422; CA 2703110 A1 20090430; CA 2703110 C 20160223; CN 101417518 A 20090429; CN 101417518 B 20130814; EP 2203298 A1 20100707; JP 2011502558 A 20110127; KR 101479805 B1 20150106; KR 20100085928 A 20100729; TW 200938679 A 20090916; TW I451010 B 20140901; US 2010209658 A1 20100819; US 8474388 B2 20130702; WO 2009053129 A1 20090430; WO 2009053129 A9 20100923

DOCDB simple family (application)
DE 102007051422 A 20071025; AU 2008315588 A 20080818; BR PI0818817 A 20080818; CA 2703110 A 20080818; CN 200810214893 A 20080903; EP 08803072 A 20080818; EP 2008060782 W 20080818; JP 2010530367 A 20080818; KR 20107008909 A 20080818; TW 97140430 A 20081022; US 73864308 A 20080818