

Title (en)  
HEAT INSULATING CLOTH

Title (de)  
WÄRMEISOLIERENDES TUCH

Title (fr)  
TISSU THERMO-ISOLANT

Publication  
**EP 1437438 A4 20060614 (EN)**

Application  
**EP 02765502 A 20020911**

Priority  
• JP 0209299 W 20020911  
• JP 2001293748 A 20010926

Abstract (en)  
[origin: EP1437438A1] A heat-retaining property textile has an application portion and a non-coating portion. An infrared-absorber and a resin binder are fixed to at least one surface of the textile. The components are fixed by a pattern having continuously connected portion.

IPC 1-7  
**D06M 11/46**; **D06M 11/45**; **D06M 11/47**; **D06M 11/36**; **D06M 15/00**; **D06M 23/16**; **D06N 3/00**

IPC 8 full level  
**D06M 11/00** (2006.01); **D06M 11/36** (2006.01); **D06M 11/45** (2006.01); **D06M 11/46** (2006.01); **D06M 11/47** (2006.01); **D06M 11/74** (2006.01); **D06M 15/00** (2006.01); **D06M 23/16** (2006.01); **D06N 3/00** (2006.01); **D06N 7/00** (2006.01)

CPC (source: EP)  
**D06M 11/36** (2013.01); **D06M 11/45** (2013.01); **D06M 11/46** (2013.01); **D06M 11/47** (2013.01); **D06M 11/74** (2013.01); **D06M 15/00** (2013.01); **D06M 23/16** (2013.01); **D06N 3/0056** (2013.01); **D06N 3/0063** (2013.01); **D06N 7/0092** (2013.01); **D06N 2205/10** (2013.01); **D06N 2209/065** (2013.01)

Citation (search report)  
• [A] US 3528874 A 19700915 - SPENCER FRANCIS T  
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 14 5 March 2001 (2001-03-05)  
• [A] DATABASE WPI Section Ch Week 199610, Derwent World Patents Index; Class A87, AN 1996-094752, XP002377910  
• See references of WO 03029554A1

Cited by  
DE102012209598A1; US2020100549A1; US11812806B2; WO2013182568A2; WO2013182568A3

Designated contracting state (EPC)  
FR GB IT

DOCDB simple family (publication)  
**EP 1437438 A1 20040714**; **EP 1437438 A4 20060614**; **EP 1437438 B1 20070124**; CN 1293256 C 20070103; CN 1561421 A 20050105; JP 2003096663 A 20030403; JP 3853185 B2 20061206; TW I251043 B 20060311; WO 03029554 A1 20030410

DOCDB simple family (application)  
**EP 02765502 A 20020911**; CN 02819003 A 20020911; JP 0209299 W 20020911; JP 2001293748 A 20010926; TW 91121169 A 20020916