

Title (en)

HEAT-BONDABLE WOVEN OR KNITTED FABRIC

Title (de)

HEISS VERSCHWEISBARER WEB- ODER STRICKSTOFF

Title (fr)

TEXTILE THERMOCOLLABLE DU TYPE TISSE OU A MAILLES

Publication

**EP 0747518 B1 20020502 (EN)**

Application

**EP 94925018 A 19940829**

Priority

- JP 9401421 W 19940829
- JP 23873593 A 19930830

Abstract (en)

[origin: WO9506768A1] A heat-bondable woven or knitted fabric which can be readily heat-bonded without the necessity for sewing and using any adhesive. The fabric is made from two polymers different from each other in melting point by at least 20 DEG C, i.e., 50D-24F polyester yarns (m.p.: 250 DEG C) as the warp (1) and 50D-24F/75D-24F polypropylene yarns (m.p.: 160 DEG C) as the weft (2). When the bonding sites are pressed at a temperature of above 160 DEG C but below 250 DEG C, the polyester yarns remain intact, while the polypropylene yarns melt to serve as an adhesive.

IPC 1-7

**D03D 15/00**

IPC 8 full level

**D03D 15/00** (2006.01)

CPC (source: EP US)

**D03D 15/283** (2021.01 - EP US); **D03D 15/47** (2021.01 - EP US); **D03D 15/49** (2021.01 - EP); **D03D 15/587** (2021.01 - EP US); **D10B 2321/022** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP); **D10B 2401/041** (2013.01 - EP)

Cited by

US9243355B2; US2017275790A1; DE102019208734A1; EP1908581A1; AU2007304495B2; US2018274135A1; US8349112B2; US11708045B2; US11634841B2; US11214895B2; WO2008040510A1; WO2024184082A1; US9994977B2; US10494746B2; US11053617B2; US9243354B2; US10252488B2; US10443160B2; US10703069B2; EP3751038A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 9506768 A1 19950309**; AU 7508994 A 19950322; EP 0747518 A1 19961211; EP 0747518 A4 19970827; EP 0747518 B1 20020502; JP H0770872 A 19950314; TW 308187 U 19970611

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