

Title (en)

IMPREGNATED-YARN CLOTH AND PROCESS FOR PRODUCING IMPREGNATED-YARN CLOTH

Title (de)

GEWEBE AUS IMPRÄGNIERTEM TUCH UND VERFAHREN ZUR HERSTELLUNG EINES GEWEBES AUS IMPRÄGNIERTEM GARN

Title (fr)

ÉTOFFE À FILS IMPRÉGNÉS ET PROCÉDÉ DE PRODUCTION D'UNE ÉTOFFE À FILS IMPRÉGNÉS

Publication

**EP 2813607 B1 20200311 (EN)**

Application

**EP 13746246 A 20130129**

Priority

- JP 2012026363 A 20120209
- JP 2013051808 W 20130129

Abstract (en)

[origin: EP2813607A1] A process for producing an impregnated-yarn cloth which is woven fabric configured of impregnated yarns, which has satisfactory shaping properties and, despite this, has a fine texture of the reinforced fiber bundles, and which gives a molded object having excellent strength. The process for producing an impregnated-yarn cloth (1) is characterized by impregnating fiber bundles (2) with a thermoplastic resin (5) held in a molten state in a resin tank, while or after twisting the fiber bundles (2) at a rate of 20 twists/m or more and 700 twists/m or less, to form an impregnated yarn (3); and knitting or weaving the thus-formed impregnated yarns (3) to obtain the impregnated-yarn cloth (1).

IPC 8 full level

**D03D 15/00** (2006.01); **D03D 1/00** (2006.01); **D06M 15/19** (2006.01)

CPC (source: EP KR US)

**D02G 3/404** (2013.01 - EP US); **D03D 1/00** (2013.01 - EP KR US); **D03D 13/00** (2013.01 - KR); **D03D 15/00** (2013.01 - EP US); **D03D 15/41** (2021.01 - EP KR US); **D03D 49/00** (2013.01 - US); **D04B 35/22** (2013.01 - EP US); **D06B 1/00** (2013.01 - US); **D06M 15/19** (2013.01 - EP KR US); **D10B 2101/06** (2013.01 - EP US); **D10B 2101/12** (2013.01 - EP US); **D10B 2401/041** (2013.01 - KR); **D10B 2403/01** (2013.01 - KR); **D10B 2505/02** (2013.01 - EP US)

Cited by

EP4001480A1; FR3103199A1; WO2021094996A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2813607 A1 20141217**; **EP 2813607 A4 20151202**; **EP 2813607 B1 20200311**; CN 104105825 A 20141015; ES 2779037 T3 20200813; JP 2013163870 A 20130822; JP 6021343 B2 20161109; KR 101666287 B1 20161013; KR 20140111019 A 20140917; US 2014366347 A1 20141218; WO 2013118604 A1 20130815

DOCDB simple family (application)

**EP 13746246 A 20130129**; CN 201380008444 A 20130129; ES 13746246 T 20130129; JP 2012026363 A 20120209; JP 2013051808 W 20130129; KR 20147021965 A 20130129; US 201314370627 A 20130129