

Title (en)
DYED FABRIC, FIBER PRODUCT IN WHICH SAME IS USED, AND METHOD FOR DYEING FABRIC

Title (de)
GEFÄRBTER STOFF, FASERPRODUKT DAMIT UND VERFAHREN ZUM FÄRBEN VON STOFF

Title (fr)
TISSU TEINT, PRODUIT FIBREUX DANS LEQUEL CE DERNIER EST UTILISÉ ET PROCÉDÉ DE TEINTURE DE TISSU

Publication
EP 3992339 A4 20220928 (EN)

Application
EP 20833279 A 20200626

Priority
• JP 2019120749 A 20190628
• JP 2019132671 A 20190718
• JP 2020025385 W 20200626

Abstract (en)
[origin: EP3992339A1] An object of the present invention is to provide a dyed fabric and a textile product made thereof, as well as a dyeing method, which achieve color uniformity of a meta-type wholly aromatic polyamide fiber, a para-type wholly aromatic polyamide fiber and a polyester fiber, even in the case of a fabric containing a meta-type- and para-type- wholly aromatic polyamide fibers and a polyester fiber which are difficult to dye. The present invention relates to a dyed fabric dyed after being shaped into a fabric, characterized in that the fabric comprises a meta-type wholly aromatic polyamide fiber, a para-type wholly aromatic polyamide fiber and a polyester fiber and the fabric is a fabric dyed with a cationic dyestuff and a disperse dyestuff, and in that the afterflame time and afterglow time defined in JISL1091A-1 are 1 second or less.

IPC 8 full level
D03D 15/00 (2021.01); **A41D 13/00** (2006.01); **A41D 31/00** (2019.01); **A41D 31/08** (2019.01); **D03D 1/00** (2006.01); **D03D 15/50** (2021.01); **D03D 15/513** (2021.01); **D06P 1/16** (2006.01); **D06P 1/41** (2006.01); **D06P 3/04** (2006.01); **D06P 3/24** (2006.01); **D06P 3/52** (2006.01); **D06P 3/54** (2006.01); **D06P 3/82** (2006.01); **D06P 3/87** (2006.01)

CPC (source: CN EP US)
A41D 13/00 (2013.01 - CN); **A41D 31/00** (2013.01 - CN); **A41D 31/08** (2019.01 - CN); **D03D 1/0035** (2013.01 - EP); **D03D 15/513** (2021.01 - EP); **D06P 1/16** (2013.01 - CN EP); **D06P 1/41** (2013.01 - CN EP US); **D06P 1/6533** (2013.01 - CN); **D06P 1/6735** (2013.01 - CN); **D06P 3/242** (2013.01 - EP); **D06P 3/54** (2013.01 - EP US); **D06P 3/8209** (2013.01 - EP); **D06P 3/8214** (2013.01 - CN); **D06P 5/10** (2013.01 - CN); **D06P 3/8214** (2013.01 - EP)

Citation (search report)
• [Y] US 2015299905 A1 20151022 - SHIMADA HIROKI [JP], et al
• [Y] JP 2017133115 A 20170803 - TEIJIN LTD
• [Y] US 2017292210 A1 20171012 - IWASHITA KENJI [JP]
• [Y] JP H0995870 A 19970408 - TEIJIN LTD
• [X] JP 2003201643 A 20030718 - TEIJIN LTD
• [T] US 4752300 A 19880621 - JOHNSON JAMES R [US]
• See references of WO 2020262671A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3992339 A1 20220504; **EP 3992339 A4 20220928**; CN 114096710 A 20220225; JP 7250129 B2 20230331; JP WO2020262671 A1 20201230; US 2022259800 A1 20220818; WO 2020262671 A1 20201230

DOCDB simple family (application)
EP 20833279 A 20200626; CN 202080046804 A 20200626; JP 2020025385 W 20200626; JP 2021528282 A 20200626; US 202017623165 A 20200626