Title (en)

A METHOD OF PROCESSING SYNTHETIC FIBERS, SYNTHETIC FIBERS, A METHOD OF SPINNING SYNTHETIC FIBERS AND SPUN YARN

Title (de)

VERFAHREN ZUR VERARBEITUNG VON SYNTHETISCHEN FASERN, SYNTHETISCHE FASERN, VERFAHREN ZUM SPINNEN VON SYNTHETISCHEN FASERN UND SPINNGARN

Title (fr)

PROCÉDÉ DE TRAITEMENT DE FIBRES SYNTHÉTIQUES, FIBRES SYNTHÉTIQUES, AINSI QU'UN PROCÉDÉ DE FILAGE DE FIBRES SYNTHÉTIQUES ET FIL

Publication

EP 2735644 B1 20170104 (EN)

Application

EP 13194225 A 20131125

Priority

JP 2012257538 A 20121126

Abstract (en)

[origin: EP2735644A1] The present invention supplies a method of processing synthetic fibers that can suppress scum accumulation substantially in the high-speed spinning of synthetic fibers and give good high-speed spinning capabilities to the synthetic fibers; the synthetic fibers obtained with said processing method; a method of spinning said synthetic fibers; and a spun yarn obtained with said method of spinning. In the high-speed spinning of synthetic fibers, the processing agent containing an organophosphate metal salt is applied to the synthetic fibers in a specific process in the upstream and, further, the processing agent containing a lubricant is applied in a specific process in the midstream.

IPC 8 full level

D06M 13/292 (2006.01); D01H 1/00 (2006.01); D01H 4/00 (2006.01); D06M 13/02 (2006.01); D06M 13/224 (2006.01); D06M 15/643 (2006.01)

CPC (source: EP)

D01H 4/00 (2013.01); D06M 13/02 (2013.01); D06M 13/224 (2013.01); D06M 13/292 (2013.01); D06M 15/643 (2013.01); D01H 1/00 (2013.01); D06M 2101/32 (2013.01); D06M 2200/40 (2013.01)

Cited by

EP4067541A1; US11359309B2; US11767618B2; US10753038B2

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 2735644 A1 20140528; EP 2735644 B1 20170104; CN 103835128 A 20140604; CN 103835128 B 20190402; IN 3438MU2013 A 20150710; JP 2014105396 A 20140609; JP 5213288 B1 20130619

DOCDB simple family (application)

EP 13194225 A 20131125; CN 201310604093 A 20131126; IN 3438MU2013 A 20131030; JP 2012257538 A 20121126