

Title (en)

METHOD AND INSTALLATION FOR THE PRODUCTION OF VISCOSE RAYON DIRECTLY DYED IN MASS IN TWO COLOURS
SIMULTANEOUSLY

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON DIREKT IN MASSE IN ZWEI FARBEN GLEICHZEITIG GEFÄRBTEM VISKOSERAYON

Title (fr)

PROCÉDÉ ET INSTALLATION DE PRODUCTION SIMULTANÉE DE RAYONNE VISCOSE COLORÉE DIRECTEMENT EN MASSE EN DEUX
COULEURS

Publication

EP 3580377 A1 20191218 (EN)

Application

EP 18708899 A 20180126

Priority

- BG 11244917 A 20170127
- BG 2018000007 W 20180126

Abstract (en)

[origin: WO2018137006A1] According to the invention, in order to obtain viscose rayon directly dyed in two colours simultaneously, a second line for spinning is introduced to the existing one, as the first (38.1) and the second (38.2) pipe collectors, parts of these spinning lines, filled up with differently dyed viscose solution, supply respectively dosing pumps (22.1 and 22.2) at the first and second working positions of the spinning machine, which are powered by one and the same electromotor and work synchronously. The cellulose solution filled up in the added second pipe collector (38.2) is coloured in mass by the additionally mounted and operating independently second individual dyeing installation (10-1), so that differently dyed viscose fibers are being spun at the neighbour working positions. Then the spun at these neighbour working positions single-colour dyed rayon fibers are brought together, according to the innovative spinning design of the invention and are gathered in a common centrifuge to obtain a viscose rayon cake, directly and simultaneously dyed in two contrasting or gradating colours or colour mixtures.

IPC 8 full level

D01F 2/16 (2006.01); **D01F 2/14** (2006.01)

CPC (source: EP US)

D01F 1/04 (2013.01 - US); **D01F 1/06** (2013.01 - US); **D01F 2/14** (2013.01 - EP US); **D01F 2/16** (2013.01 - EP US)

Citation (search report)

See references of WO 2018137006A1

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)

WO 2018137006 A1 20180802; BG 112449 A 20190228; BG 67199 B1 20201215; EP 3580377 A1 20191218; US 2019360124 A1 20191128

DOCDB simple family (application)

BG 2018000007 W 20180126; BG 11244917 A 20170127; EP 18708899 A 20180126; US 201816481075 A 20180126