

Title (en)

PROCESS FOR SPINNING ALKALINE CELLULOSE SPIN DOPE

Title (de)

VERFAHREN ZUM SPINNEN VON ALKALISCHER CELLULOSESPINNMASSE

Title (fr)

PROCESSUS DE FILAGE D'UNE SOLUTION DE FILAGE DE CELLULOSE ALCALINE

Publication

EP 4190952 A1 20230607 (EN)

Application

EP 21212307 A 20211203

Priority

EP 21212307 A 20211203

Abstract (en)

Disclosed is a process for spinning an alkaline cellulose spin dope, comprising dissolved cellulose, to cellulose filaments (10). The process comprising the steps of:- feeding the alkaline cellulose spin dope to at least one spinning head (20) with a plurality of holes (21), wherein the spinning head (20) comprises at least two parallel, rectangular spinneret dies (22), each with a plurality of holes (21), the spinneret dies (22) being arranged spaced apart with a flow spacing (23) in between them;- extruding the alkaline cellulose spin dope through the plurality of holes (21) into a flow (35) of aqueous alkaline coagulation bath liquid, the aqueous alkaline coagulation bath liquid comprising a sodium coagulation salt, whereby forming cellulose filaments (10), wherein the aqueous alkaline coagulation bath liquid flows through the flow spacing (23) and then past the spinneret dies (22) in a flow direction, the flow direction of the aqueous alkaline coagulation bath liquid being parallel to the direction in which the alkaline cellulose spin dope is extruded into the aqueous alkaline coagulation bath liquid; and- withdrawing the cellulose filaments (10) from the aqueous alkaline coagulation bath liquid.

IPC 8 full level

D01D 4/02 (2006.01); **D01D 1/02** (2006.01); **D01D 5/06** (2006.01); **D01F 2/00** (2006.01); **D01F 2/02** (2006.01)

CPC (source: EP)

D01D 1/02 (2013.01); **D01D 4/02** (2013.01); **D01D 5/06** (2013.01); **D01F 2/00** (2013.01); **D01F 2/02** (2013.01)

Citation (applicant)

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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

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BA ME

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DOCDB simple family (application)

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