

Title (en)

APPARATUS AND METHOD FOR MAKING LOGS FROM HIGHLY ORIENTED FLASH-SPUN CONTINUOUS FIBERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON STRÄNGEN AUS HOCHORIENTIERTEN FLASH-GESPONNENEN KONTINUIERLICHEN FASERN

Title (fr)

PROCEDE ET APPAREIL DE FABRICATION DE RONDINS A PARTIR DE FIBRES CONTINUES FILEES PAR FILAGE ECLAIR ET HAUTEMENT ORIENTEES

Publication

**EP 0775220 A1 19970528 (EN)**

Application

**EP 95929363 A 19950801**

Priority

- US 9509796 W 19950801
- US 28760694 A 19940809
- US 28760294 A 19940809

Abstract (en)

[origin: WO9605339A1] This invention relates to making backwindable rod shaped batts or logs from highly oriented flash-spun continuous fibers. The fibers are conducted from the exit of a spinneret (91) through a tunnel (92) and into a two stage diverging nozzle (120) to slow down the fibers for an organized collection in the collection section (150). The invention further includes an inflatable bladder (185) in a discharge section (181) for initiating the formation of the log and a mesh screen (155) in the collection section (150) for reducing the occurrence of fiber blow out through the gas discharge ports (152).

IPC 1-7

**D01D 5/11**

IPC 8 full level

**D01D 5/11** (2006.01)

CPC (source: EP KR)

**D01D 5/11** (2013.01 - EP KR)

Citation (search report)

See references of WO 9605339A1

Cited by

US6389646B1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 9605339 A1 19960222**; CA 2196759 A1 19960222; DE 69506264 D1 19990107; DE 69506264 T2 19990506; EP 0775220 A1 19970528; EP 0775220 B1 19981125; ES 2126309 T3 19990316; JP H10503813 A 19980407; KR 100343091 B1 20020918; KR 970704920 A 19970906

DOCDB simple family (application)

**US 9509796 W 19950801**; CA 2196759 A 19950801; DE 69506264 T 19950801; EP 95929363 A 19950801; ES 95929363 T 19950801; JP 50740196 A 19950801; KR 19970700831 A 19970206