

Title (en)
METHOD FOR FUSION SPINNING

Title (de)
VERFAHREN ZUM SCHMELZSPINNEN

Title (fr)
PROCEDE DE FILAGE PAR FUSION

Publication
EP 1228268 B1 20040218 (DE)

Application
EP 00964056 A 20000829

Priority
• DE 19942518 A 19990907
• EP 0008416 W 20000829

Abstract (en)
[origin: WO0118288A1] The invention relates to a method for fusion spinning a multifilament beer (10) from a polymer melt. The beer (10) is formed from a plurality of filaments (4) that are extruded through nozzle bores (3) and are drawn-off under the influence of a take-down tension using a drawing-off means. According to the invention, the beer (10) is cooled in a pre-cooling zone (5) and in a downstream aftercooling zone (6). The cooling in the pre-cooling zone (5) and the aftercooling zone (6) is adjusted in such a way that the beer (10) is cooled in the aftercooling zone (6) under the influence of a cooling medium flow in such a way that the filaments (4) of the beer (10) solidify in the solidification range in a aftercooling zone (6), whereby the cooling medium flow is directed towards the threadline.

IPC 1-7
D01D 5/088; **D01D 5/092**

IPC 8 full level
D01D 5/088 (2006.01); **D01D 5/092** (2006.01)

CPC (source: EP US)
D01D 5/088 (2013.01 - EP US); **D01D 5/092** (2013.01 - EP US)

Designated contracting state (EPC)
CH DE LI

DOCDB simple family (publication)
WO 0118288 A1 20010315; DE 50005349 D1 20040325; EP 1228268 A1 20020807; EP 1228268 B1 20040218; US 2002121724 A1 20020905; US 6824717 B2 20041130

DOCDB simple family (application)
EP 0008416 W 20000829; DE 50005349 T 20000829; EP 00964056 A 20000829; US 9211002 A 20020306