

Title (en)  
Process and devices for spinning and winding up a yarn

Title (de)  
Verfahren und Vorrichtungen zum Spinnen und Aufwickeln von Fäden

Title (fr)  
Procédé et dispositifs pour filer et enrouler un fil

Publication  
**EP 0845550 B1 20040324 (DE)**

Application  
**EP 97119724 A 19971111**

Priority  
• DE 19649791 A 19961202  
• DE 19709608 A 19970308

Abstract (en)  
[origin: EP0845550A1] A melt spinning method for a number of continuous high polymer filaments involves passing each filament through a feed with a number of feed units for the filament tension, located on the filament movement paths. On reaching the winders, each filament is subjected to a given draw tension. Also claimed is an apparatus with a filament feed system (13) to apply a given tension to each filament (12) in front of each winding station (41), in the direction of filament travel.

IPC 1-7  
**D01D 5/098**; **D01D 10/04**; **D01H 13/32**

IPC 8 full level  
**B65H 54/20** (2006.01); **B65H 59/26** (2006.01); **D01D 5/098** (2006.01); **D01D 7/00** (2006.01); **D01D 10/04** (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP KR US)  
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**D01D 7/00** (2013.01 - EP US); **B65H 54/20** (2013.01 - KR); **B65H 2553/80** (2013.01 - KR); **B65H 2701/3132** (2013.01 - EP KR US)

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CN1325357C; CN102387976A; DE102012005478A1; DE202009012676U1; DE102009012001A1; DE102010048521B4; US7241123B2;  
US7322811B2; WO2007045302A1; WO2004074155A1; WO2006092237A1; WO2010124730A1; WO2011138302A1; US9243348B2

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KR 100484086 B1 20060127; KR 19980063681 A 19981007; TW 420731 B 20010201; US 5928579 A 19990727

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**EP 97119724 A 19971111**; CN 97123039 A 19971201; DE 59711445 T 19971111; KR 19970065173 A 19971202; TW 86117664 A 19971125;  
US 98259497 A 19971202