

Title (en)  
DEVICE FOR COOLING DOWN A PLURALITY OF SYNTHETIC THREADS

Title (de)  
VORRICHTUNG ZUM ABKÜHLEN EINER VIELZAHL SYNTHETISCHER FÄDEN

Title (fr)  
DISPOSITIF DE REFROIDISSEMENT D'UNE PLURALITÉ DE FILS SYNTHÉTIQUES

Publication  
**EP 2665849 B1 20141022 (DE)**

Application  
**EP 11706563 A 20110301**

Priority  
• DE 102011009160 A 20110122  
• EP 2011053007 W 20110301

Abstract (en)  
[origin: WO2012097880A1] The invention relates to a device for cooling down a plurality of synthetic threads, comprising a blowing box, which has a plurality of cooling cylinders arranged next to each other, said cooling cylinders being arranged next to each other inside the blowing box and each forming an upper thread inlet opening and a lower thread outlet opening. In order to be able to cool down a plurality of threads in one of the cooling cylinders, the respective cooling cylinder has a plurality of gas-impermeable separating webs on the gas-permeable cylinder wall of said cooling cylinder, the separating webs extending between the thread openings and being formed at an offset from each other on the circumference of the cooling cylinder. Thus separation zones, in which a reduced cooling air flow acts and which promote the division of the threads, can be formed inside the cooling cylinder.

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

CPC (source: EP)  
**D01D 5/092** (2013.01)

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

DOCDB simple family (publication)  
**WO 2012097880 A1 20120726**; CN 103328700 A 20130925; CN 103328700 B 20160831; CN 201990776 U 20110928;  
EP 2665849 A1 20131127; EP 2665849 B1 20141022

DOCDB simple family (application)  
**EP 2011053007 W 20110301**; CN 201120093756 U 20110331; CN 201180065599 A 20110301; EP 11706563 A 20110301