

Title (en)  
SPUN YARN COOLER

Title (de)  
KÜHLER FÜR GESPONNENEN GARN

Title (fr)  
REFROIDISSEUR DE FIL TISSÉ

Publication  
**EP 3569744 B1 20220427 (EN)**

Application  
**EP 18210068 A 20181204**

Priority  
JP 2018094243 A 20180516

Abstract (en)  
[origin: EP3569744A1] In a spun yarn cooler, static electricity generated by contact between filaments and an outlet is restrained so that yarn bring-down is facilitated. In a spun yarn cooler 3 in which a cylindrical space 22 to which cooling wind is supplied is formed to extend in an up-down direction and filaments f which are made of synthetic resin and spun out from a spinning unit run in the cylindrical space 22 and then go out from the cylindrical space 22 thorough a lower outlet 27a, a static electricity suppressor 31 which is provided at a periphery of the outlet 27a, is insulating, and restrains generation of static electricity in the filaments f when the filaments f make contact with the static electricity suppressor 31 is provided.

IPC 8 full level  
**D01D 5/092** (2006.01); **D01D 11/04** (2006.01)

CPC (source: CN EP)  
**D01D 5/092** (2013.01 - CN EP); **D01D 11/04** (2013.01 - EP); **D01D 13/02** (2013.01 - CN); **H05F 1/02** (2013.01 - CN); **D10B 2331/02** (2013.01 - CN); **D10B 2331/04** (2013.01 - CN)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 18210068 A 20181204**; CN 201811441850 A 20181129; CN 201821983387 U 20181129; JP 2018094243 A 20180516