

Title (en)  
Fibre condensing device for spinning machines

Title (de)  
Vorrichtung zur Faserbündelung für Spinnmaschinen

Title (fr)  
Dispositif de condensation pour des machines à filer

Publication  
**EP 1473388 B1 20150318 (EN)**

Application  
**EP 04380069 A 20040330**

Priority  
ES 200301064 U 20030430

Abstract (en)  
[origin: EP1473388A2] The device comprises, at the outlet of the final pair of rollers (4) of a spinning machine draw-frame, a tubular element (20) which is parallel to the axis of said rollers (4), is connected to a source of vacuum, and is provided with multiple transverse grooves (7), on which there runs a band (9) provided with small perforations for receiving, in turn, through its face remote from said tube, the sliver (5) leaving the draw-frame, and performing the transverse condensing of said sliver (5) as it adapts to the empty grooves (7) through the perforated band (9), the tubular element (20) having a gently curved structure in the adaptation region of the perforated band (9), and is characterised in that it comprises a drive cylinder (13) inside the perforated band (9), which receives a tangential upper roller (14), which has resilient characteristics and of which the drive cylinder (13) is actuated by a longitudinal shaft common to the various drawing units of the machine. <IMAGE>

IPC 8 full level  
**D01H 1/22** (2006.01); **D01H 5/26** (2006.01); **D01H 5/72** (2006.01)

CPC (source: EP)  
**D01H 1/22** (2013.01); **D01H 5/26** (2013.01); **D01H 5/72** (2013.01)

Citation (examination)  
JP H07145520 A 19950606 - NIPPON BOSEKI YOHIN KENKYUSHO

Cited by  
EP4215654A1; EP4215653A1; CN109735972A; ES2372096A1; EP1975288A3; EP4279645A1

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