Title (en)

Method and apparatus for supporting a strand or a plurality of strands

Title (de)

Verfahren und Vorrichtung zur Unterstützung eines Fadens oder einer Vielzahl von Fäden

Title (fr)

Procédé et dispositif pour supporter un fil ou une pluralité de fils

Publication

EP 0648991 B1 19971029 (EN)

Application

EP 94120884 A 19910921

Priority

- EP 91116097 A 19910921
- US 58862390 A 19900926
- US 58922390 A 19900926

Abstract (en)

[origin: EP0477807A2] A plurality of coated strands (14) are conveyed through a drying oven (26). A plurality of nozzles (48) impinge the upper surface of the coated strand as it passes therethrough. Baffle plates (54) positioned below the strands redirect the gas stream such that, after the gas stream has passed through the strands, it is redirected so as to impinge on an opposite surface of the coated strand. The strand is supported by positioning it between an additional pair of nozzles (82) that are tilted towards each other such that an upwardly directed gas stream issuing from the first nozzle intersects an upwardly directed gas stream issuing from the second nozzle along a line which along with the strand, forms a generally vertical plane. The combined upwardly directed force from the gas streams lifts and supports the strand while the opposing lateral force from each gas stream on the strand tend to reduce and lateral movement and stabilize its relative position. <IMAGE>

IPC 1-7

F26B 13/20

IPC 8 full level

B65H 51/16 (2006.01); **C03C 25/10** (2006.01); **F26B 13/00** (2006.01); **F26B 13/20** (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP)

F26B 13/001 (2013.01); **F26B 13/002** (2013.01); **F26B 13/104** (2013.01); **F26B 21/004** (2013.01)

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BE DE ES FR GB IT

DOCDB simple family (publication)

EP 0477807 A2 19920401; **EP 0477807 A3 19921119**; **EP 0477807 B1 19960612**; AU 635861 B2 19930401; AU 8365891 A 19920402; CA 2050543 A1 19920327; CA 2050543 C 19980901; DE 69120187 D1 19960718; DE 69120187 T2 19970130; DE 69128098 D1 19971204; DE 69128098 T2 19980520; EP 0648991 A2 19950419; EP 0648991 A3 19950607; EP 0648991 B1 19971029; ES 2090196 T3 19961016; ES 2110176 T3 19980201; JP H04286576 A 19921012; JP H0669900 B2 19940907

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