

Title (en)
Vortex spinning method and apparatus

Title (de)
Vortex Spinnverfahren und Spinnmaschine

Title (fr)
Méthode et dispositif de filature vortex

Publication
EP 1347085 B2 20100421 (EN)

Application
EP 03005279 A 20030310

Priority
JP 2002073711 A 20020318

Abstract (en)
[origin: EP1347085A2] In a spinning method of drafting supplied fibers at a predetermined total draft ratio and then spinning the fibers using a spinning member composed of a nozzle member having a nozzle hole, first, before yarn discharging spinning, the amount of fibers supplied to the spinning member per unit time in a normal spinning state is changed to the amount of fibers supplied per unit time during the yarn discharging spinning, the latter amount being different from the former amount, and after the yarn discharging spinning has ended, the changed amount of fibers supplied is returned to the amount of fibers supplied in the normal spinning state. <??>A yarn can be reliably generated for yarn discharging spinning. This improves the success rate of joining. <IMAGE>

IPC 8 full level
D01H 4/48 (2006.01); **D01H 1/115** (2006.01); **D01H 4/02** (2006.01); **D01H 5/32** (2006.01)

CPC (source: EP)
D01H 1/115 (2013.01); **D01H 4/02** (2013.01); **D01H 15/002** (2013.01)

Citation (opposition)
Opponent :

- DE 19917968 A1 20001026 - SCHLAFHORST & CO W [DE]
- EP 1219737 A1 20020703 - RIETER AG MASCHF [CH]
- EP 1316631 A1 20030604 - MURATA MACHINERY LTD [JP]

Cited by
EP2977493A3; EP2966200A3; EP3330416A1; EP2009150A1; EP3438334A1

Designated contracting state (EPC)
CH DE LI

DOCDB simple family (publication)
EP 1347085 A2 20030924; EP 1347085 A3 20040114; EP 1347085 B1 20061025; EP 1347085 B2 20100421; CN 1332084 C 20070815; CN 1445394 A 20031001; DE 60309233 D1 20061207; DE 60309233 T2 20070906; DE 60309233 T3 20101230; JP 2003278035 A 20031002; JP 3575470 B2 20041013

DOCDB simple family (application)
EP 03005279 A 20030310; CN 03121696 A 20030318; DE 60309233 T 20030310; JP 2002073711 A 20020318