

Title (en)  
Optical fiber and fabrication process and apparatus of same

Title (de)  
Optische Faser und Verfahren und Vorrichtung zu ihrer Herstellung

Title (fr)  
Fibre optique et procédé et appareil pour sa production

Publication  
**EP 0767260 A2 19970409 (EN)**

Application  
**EP 96202734 A 19961002**

Priority  
JP 27830695 A 19951002

Abstract (en)  
Disclosed herein are a fabrication process of optical fiber, a fabrication machine of optical fiber and optical fiber fabricated thereby. In the fabrication machine, for smoothly supplying sea part fluid into sea parts between adjacent wings, a plurality of cylinders are connected to the bottom of a spinning head. In accordance with the present invention, the above fluid guided by the cylinders is supplied to the space between the adjacent wings with certainty so that the wings are never fused to spin the optical fiber having the predetermined optical characteristics. <IMAGE> <IMAGE>

IPC 1-7  
**D01D 5/36**; **D01D 5/253**

IPC 8 full level  
**D01F 8/04** (2006.01); **D01D 4/02** (2006.01); **D01D 5/253** (2006.01); **D01D 5/34** (2006.01); **D01D 5/36** (2006.01)

CPC (source: EP KR)  
**D01D 5/253** (2013.01 - EP KR); **D01D 5/34** (2013.01 - EP KR); **D01D 5/36** (2013.01 - EP KR)

Citation (applicant)  
• JP H04314185 B  
• JP H01139803 A 19890601 - TORAY INDUSTRIES  
• JP S59228042 A 19841221 - KURARAY CO  
• JP S6024847 B2 19850614  
• JP S6364535 B2 19881212  
• JP S62170510 A 19870727 - TORAY INDUSTRIES  
• JP S63120642 A 19880525 - TORAY INDUSTRIES  
• JP H0617349 A 19940125 - NISSAN MOTOR  
• JP 2851995 A 19950216  
• JP 2852195 A 19950216  
• PROCEEDINGS OF THE TEXTILE MACHINERY SOCIETY OF JAPAN, vol. 42, no. 2, 1989, pages 160

Cited by  
EP0877103A3; CN104928767A; EP0877102A1; US6335094B1; US6243521B1; US6326094B1; WO9850609A1; WO9918268A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0767260 A2 19970409**; **EP 0767260 A3 19970611**; JP H0995818 A 19970408; KR 970022377 A 19970528

DOCDB simple family (application)  
**EP 96202734 A 19961002**; JP 27830695 A 19951002; KR 19960043592 A 19961002