

Title (en)  
Weft insert subnozzle

Title (de)  
Schusseintragshilfsblasdüsen

Title (fr)  
Tuyère auxiliaire d'insertion de trame

Publication  
**EP 1143053 B1 20040714 (EN)**

Application  
**EP 01105821 A 20010308**

Priority  
JP 2000101778 A 20000404

Abstract (en)  
[origin: EP1143053A1] The weft insert subnozzle for air jet loom, aimed to improve the air ejection speed from an air jet hole, comprises a convex portion (16) forming a spherical convex surface (20) inside the vicinity of the front end of the subnozzle, and an air jet hole (18) formed within the convex portion with its center positioned closer to the front end side than the center of the convex portion. <IMAGE>

IPC 1-7  
**D03D 47/30**

IPC 8 full level  
**D03D 47/30** (2006.01)

CPC (source: EP KR)  
**D03D 47/30** (2013.01 - KR); **D03D 47/302** (2013.01 - EP)

Cited by  
CZ298377B6; EP1314805A3

Designated contracting state (EPC)  
BE DE IT

DOCDB simple family (publication)  
**EP 1143053 A1 20011010; EP 1143053 B1 20040714**; CN 1120255 C 20030903; CN 1316558 A 20011010; DE 60104232 D1 20040819; DE 60104232 T2 20050804; JP 2001288644 A 20011019; KR 100470685 B1 20050307; KR 20010094956 A 20011103

DOCDB simple family (application)  
**EP 01105821 A 20010308**; CN 01112441 A 20010404; DE 60104232 T 20010308; JP 2000101778 A 20000404; KR 20010011605 A 20010307