

Title (en)
Thread draw-off nozzle

Title (de)
Fadenabzugsdüse

Title (fr)
Buse de dévidage de fil

Publication
EP 2400049 B1 20160330 (DE)

Application
EP 11166461 A 20110518

Priority
• DE 102010030536 A 20100625
• DE 102011002972 A 20110121

Abstract (en)
[origin: EP2400049A2] The nozzle (1) has a draw-off nozzle funnel (6) for deflecting a yarn (5) produced during yarn draw-off process. The draw-off nozzle funnel includes a two-part design with external and internal parts (6a, 6b) containing areas of a yarn deflection zone. The parts are made of different materials and/or comprise different coatings in the areas of the yarn deflection zone, where one of the parts includes a coating. The external part and a draw-off nozzle shaft (7) are formed as one part. A ceramic insert (9) is formed with a wear-protective bushing (12) as one piece.

IPC 8 full level
D01H 4/40 (2006.01)

CPC (source: EP US)
D01H 4/40 (2013.01 - EP US)

Citation (opposition)
Opponent : Saurer Germany GmbH & Co. KG
• DE 1806054 A1 19701008 - SCHUBERT & SALZER MASCHINEN
• DE 2351561 A1 19740418 - VYZK USTAV BAVLNARSKY
• WO 9404730 A1 19940303 - BURCKHARDT AMERICA INC [US]
• DE 10244497 A1 20040408 - SAURER GMBH & CO KG [DE]
• DE 102008019214 A1 20091022 - OERLIKON TEXTILE GMBH & CO KG [DE]
• EP 0445554 B1 19960925 - RIETER INGOLSTADT SPINNEREI [DE]
• DE 3016675 A1 19811105 - SCHLAFHORST & CO W [DE]
• EP 0422615 A2 19910417 - SCHUBERT & SALZER MASCHINEN [DE]

Designated contracting state (EPC)
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