

Title (en)
Thread draw-off nozzle

Title (de)
Fadenabzugsdüse

Title (fr)
Buse de dévidage de fil

Publication
EP 2400049 B2 20181212 (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 :
WO 9404730 A1 19940303 - BURCKHARDT AMERICA INC [US]

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2400049 A2 20111228; EP 2400049 A3 20150121; EP 2400049 B1 20160330; EP 2400049 B2 20181212; CN 102296395 A 20111228;
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