

Title (en)  
OILING NOZZLE

Title (de)  
ÖLUNGSDÜSE

Title (fr)  
BUSE DE LUBRIFICATION

Publication  
**EP 3461935 A4 20190619 (EN)**

Application  
**EP 17820155 A 20170627**

Priority  
• JP 2016128973 A 20160629  
• JP 2017023584 W 20170627

Abstract (en)  
[origin: EP3461935A1] Provided is an oiling nozzle including: a feed-in section; a feed-out section; and a middle section located between the feed-in section and the feed-out section and configured to be in contact with a fabric. In the oiling nozzle, the middle section includes: an oil discharge hole located at a position on the feed-in section side; and a plurality of groove-shaped oil reservoirs located at a position on the feed-out section side of the oil discharge hole and perpendicular to a path of the fabric. In addition, in a cross-section taken along a path of the fabric, a first oil reservoir that is closest one of all the plurality of oil reservoirs to the oil discharge hole has the largest cross-sectional area.

IPC 8 full level  
**D01D 5/096** (2006.01); **B65H 57/04** (2006.01); **D06B 1/08** (2006.01); **D06B 3/04** (2006.01)

CPC (source: EP)  
**B65H 57/04** (2013.01); **B65H 71/007** (2013.01); **D01D 5/096** (2013.01); **D06B 1/08** (2013.01); **D06B 3/045** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)  
• [X] DE 102011018179 A1 20121025 - OERLIKON TEXTILE GMBH & CO KG [DE]  
• [A] US 4926661 A 19900522 - AGERS BRIAN M [US], et al  
• [A] JP S58113779 U 19830803  
• [E] DE 102016011314 A1 20180322 - OERLIKON TEXTILE GMBH & CO KG [DE]  
• See references of WO 2018003801A1

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EP4206371A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3461935 A1 20190403; EP 3461935 A4 20190619; EP 3461935 B1 20201118**; CN 109415845 A 20190301; CN 109415845 B 20211022; JP 6680879 B2 20200415; JP WO2018003801 A1 20190404; WO 2018003801 A1 20180104

DOCDB simple family (application)  
**EP 17820155 A 20170627**; CN 201780039805 A 20170627; JP 2017023584 W 20170627; JP 2018525179 A 20170627