

Title (en)

OIL APPLYING GUIDE AND SPUN YARN TAKE-UP MACHINE

Title (de)

ÖLAUFTRAGUNGSFÜHRUNG UND MASCHINE ZUR AUFNAHME VON GESPONNENEM GARN

Title (fr)

GUIDE D'ALIMENTATION EN HUILE ET MACHINE DE BOBINAGE DE FIL

Publication

**EP 3865444 B1 20240501 (EN)**

Application

**EP 21155182 A 20210204**

Priority

JP 2020021400 A 20200212

Abstract (en)

[origin: EP3865444A1] An object of the present invention is to suppress an unintentional accumulation of oil not adhering to a yarn in an oil applying guide. An oil applying guide 11 which applies oil to a yarn Y running downward from above includes a guide main body 30 in which a passage 31 which allows the oil to flow downward from above is formed. The passage 31 includes a yarn contact surface 36 with which the yarn Y makes contact, the yarn Y leaving the yarn contact surface 36 at a downstream end portion of the yarn contact surface 36 in an oil flow direction in which the oil flows, an oil discharging surface 37 which allows the oil to be discharged, which is provided downstream of the yarn contact surface 36 in the oil flow direction, and which is formed so that a direction between the oil discharging surface 37 and a yarn path 101 increases toward a downstream side in the oil flow direction, and paired regulating surfaces 38 formed on both ends, in a width direction of the passage 31, of the passage 31. Regarding a distance between the paired regulating surfaces 38 in the width direction, the distance which is between shortest points of parts formed on both sides, in the width direction, of the yarn contact surface 36 is 0.35 mm or less.

IPC 8 full level

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CPC (source: CN EP)

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