

Title (en)
YARN HEATER

Title (de)
GARNHEIZUNG

Title (fr)
CHAUFFE-FIL

Publication
EP 4386120 A1 20240619 (EN)

Application
EP 23207916 A 20231106

Priority
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Abstract (en)
An object of the present invention is to reduce power consumption. A first heater 13 is provided with a yarn running groove, and includes: a heating unit configured to heat a yarn running in the yarn running groove; three heat insulating blocks which extend along an extending direction and which are aligned in a base longitudinal direction so as to oppose an open end, i.e., a lower end of the yarn running groove; and closing members 79, side plates 63a, side plates 63b, and central plates 64 each of which are provided on both sides of the heat insulating blocks in the extending direction. In this regard, gaps between the side plates 63a, the side plates 63b, and the central plates 64 form slits 67 through which the yarn passes when the yarn is inserted into the yarn running groove. When viewed in the extending direction, the slits 67 are provided to oppose paths formed between the adjacent heat insulating blocks. The closing members 79 are movable between a close position where the slits 67 are closed and a retracted position where the slits 67 are not closed.

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Citation (applicant)
JP 2002220755 A 20020809 - TEIJIN SEIKI TEXTILE MACHINERY

Citation (search report)
• [YA] WO 2018007294 A1 20180111 - OERLIKON TEXTILE GMBH & CO KG [DE]
• [YA] CN 1506507 A 20040623 - SURA GMBH & CO KG [DE]

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