

Title (en)
MELT SPINNING DEVICE

Title (de)
SCHMELZSPINNVORRICHTUNG

Title (fr)
DISPOSITIF DE FILAGE À CHAUD

Publication
EP 4033015 A1 20220727 (EN)

Application
EP 21214349 A 20211214

Priority
JP 2020213823 A 20201223

Abstract (en)
An object of the present invention is to improve the efficiency in transferring heat from a heated box to a spinning pack and to suppress the heat transfer to the spinning pack in the circumferential direction of the spinning pack from becoming uneven. A melt spinning device 1 includes a cylindrical spinning pack 2 including a spinneret 21, a heated box 3 including a concave portion 32 into an internal space of which the spinning pack 2 is inserted and which is open downward, and a heat conduction mechanism 4 including a separated member 42 which is able to make contact with an outer circumferential surface of the spinning pack 2 inserted into the concave portion 32 and which is separated into plural members with respect to a circumferential direction of the spinning pack 2. When the spinning pack 2 is inserted into the concave portion 32, members which include at least the separated member 42 and which are included in the heat conduction mechanism 4 form a heat conduction path from a wall surface defining the concave portion 32 in the heated box 3 to an outer circumferential surface of the spinning pack 2.

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Citation (applicant)
• JP 2012102435 A 20120531 - TMT MACHINERY INC
• JP S6086569 U 19850614

Citation (search report)
• [X] US 3830617 A 19740820 - BELL R, et al
• [X] ANONYMOUS: "Spinning pack with wedge contact", RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, UK, GB, vol. 122, no. 19, 1 June 1974 (1974-06-01), XP007102555, ISSN: 0374-4353

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DOCDB simple family (application)
EP 21214349 A 20211214; CN 202111541536 A 20211216; JP 2021201535 A 20211213