

Title (en)  
APPARATUS FOR TREATING YARNS COMPRISING A THREADING DEVICE

Title (de)  
GARNENVERARBEITUNGSVORRICHTUNG MIT EINER EINFÄDELUNGSEINRICHTUNG

Title (fr)  
APPAREIL DE TRAITEMENT DES FILS COMPRENANT UN DISPOSITIF POUR LES POSITIONNER

Publication  
**EP 4279647 A1 20231122 (EN)**

Application  
**EP 23169754 A 20230425**

Priority  
JP 2022082252 A 20220519

Abstract (en)  
An object of the present invention is to easily place yarns the intervals of which vary between the upstream and downstream sides, in a yarn running direction in yarn running spaces provided in a yarn processing unit. A yarn processing apparatus 7 includes: a first holding guide 24 including first retaining grooves 24a aligned in an arrangement direction; and a second holding guide 25 provided downstream of the first holding guide 24 in the yarn running direction. The first holding guide 24 is able to take: a first yarn threading position where yarns Y are threaded to the first holding guide 24; and a first placing completion position where placing of the yarns Y for yarn running spaces 31 is completed. The second holding guide 25 is able to take: a second yarn threading position where the yarns Y are threaded to the second holding guide 25; and a second placing completion position where the placing of the yarns Y for the yarn running spaces 31 is completed. The first holding guide 24 at the first yarn threading position is adjacent to the second holding guide 25 at the second yarn threading position in the yarn running direction.

IPC 8 full level  
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**B65H 57/04** (2013.01 - EP); **B65H 57/16** (2013.01 - EP); **D01D 7/00** (2013.01 - CN); **D01D 11/04** (2013.01 - CN); **D02J 1/08** (2013.01 - EP); **B65H 2701/3132** (2013.01 - EP)

Citation (applicant)  
• JP 2013057148 A 20130328 - TMT MACHINERY INC  
• JP 2019105007 A 20190627 - TMT MACHINERY INC

Citation (search report)  
• [A] EP 3967794 A1 20220316 - TMT MACHINERY INC [JP]  
• [AD] EP 3498898 A1 20190619 - TMT MACHINERY INC [JP]  
• [A] EP 3064624 A1 20160907 - TMT MACHINERY INC [JP]

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**EP 4279647 A1 20231122**; **EP 4279647 B1 20241002**; CN 117089936 A 20231121; JP 2023170466 A 20231201

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**EP 23169754 A 20230425**; CN 202310430510 A 20230419; JP 2022082252 A 20220519