

Title (en)
STRETCHING DEVICE

Title (de)
STRECKVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉTIRAGE

Publication
EP 3165635 B1 20210630 (DE)

Application
EP 16188023 A 20160909

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Abstract (en)
[origin: CN106917167A] The present invention provides a drawing device (1). The device has two drawing systems (2). Each drawing system has a feeding section (13), drawing sections (29), an output section (3) and a driving device. The drawing device (1) has an operation unit (15). The operation unit is arranged to allow users to realize the mutual independent control and configuration of the operation of the two drawing systems (2). The drawing system has the driving device which is operated through mutual independent configuration. The operation unit (15) is arranged alternatively and additionally, the drawing device (1) comprises exhaust devices (36, 37, 39). The exhaust devices are coupled with the drawing sections (29) on the flow technology to allow the exhaust devices (36, 37, 39) to extract air facing the exhaust devices (36, 37, 39) from the drawing section (29). Besides, the exhaust devices (36, 37, 39) are designed to break out the air exhaust devices in the corresponding drawing section in the two drawing sections (29).

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Citation (opposition)
Opponent : Maschinenfabrik Rieter AG
• DE 102008000920 A1 20091008 - RIETER INGOLSTADT GMBH [DE]
• DE 10055026 A1 20020508 - TRUETZSCHLER GMBH & CO KG [DE]
• DE 1130336 B 19620524 - FERDINAND REITERER, et al
• EP 2463416 A2 20120613 - TOYOTA JIDOSHOKKI KK [JP]
• US 2719333 A 19551004 - BUCHANAN III ANDREW E

Cited by
DE102022106192A1; EP3255184A1; WO2020074240A1

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