Title (en)

A CIRCULAR LOOM FOR MANUFACTURING DOUP FABRIC AND A METHOD FOR MANUFACTURING IT

Title (de)

KREISWEBSTUHL ZUM HERSTELLEN VON DOUBLIERGEWEBE UND VERFAHREN ZUM HERSTELLEN DESSELBEN

Title (fr)

MÉTIER À TISSER CIRCULAIRE POUR FABRIQUER UN TISSU DE GAZE ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2021105847A1] A circular loom to manufacture doup fabric (F) operating at achieve high speed weaving is disclosed. Conventional looms are faced with problems of undesirable friction at such speeds. The loom comprises a partial healds belt assembly which facilitates displacement of the interacting warp threads is provided on the loom. The warp threads of at least one of the pair of partial healds (4, 5), which are provided with thread eyes (3) through which the threads pass, are guided freely by thread guide means to bring about the shedding, and, on the other partial heald, to bring about a side change. In one aspect of the invention, the eyes (3) are provided with a ceramic insert (3A). The lateral movement needed to create the doup fabric (F) is facilitated by a swing control cam (6B) uses a swivel bush (12) to aid the swinging motion of swivel arm (11). As an aspect of the invention, the swivel bush (12) is made of metallic material.

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