

Title (en)

Method and apparatus for sizing the warp

Title (de)

Verfahren und Vorrichtung zum Schlichten von Kettfäden

Title (fr)

Procédé et dispositif pour l'encollage des fils de chaîne

Publication

EP 1493858 A3 20050928 (EN)

Application

EP 04014938 A 20040625

Priority

JP 2003271069 A 20030704

Abstract (en)

[origin: EP1493858A2] A warp sizing method performs pretreatment to adhere the pretreatment liquid (36) to a plurality of warps (12) arranged in a sheet-like form and squeeze, and divides the pretreated plural warps (12) into a plurality of warp groups (38, 40) to adhere a sizing liquid (42) to each of the divided warp groups (38, 40). A dividing treatment includes bringing the warps (12) of the warp group (38, 40) to be divided into contact with a guide roller (80, 82) of each warp group (38, 40). A pretreatment liquid (36) contains a sizing liquid (42) having the same or less size concentration as or than that of the sizing liquid (42) to be used in the sizing treatment or water.

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D06B 3/18; D06B 3/04

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CPC (source: EP)

D06B 3/04 (2013.01); **D06B 3/18** (2013.01); **D06B 15/02** (2013.01)

Citation (search report)

- [A] FR 2364993 A1 19780414 - ASA SA [FR]
- [A] DE 19516575 A1 19961107 - SUCKER MUELLER HACOBA GMBH [DE]
- [A] EP 0437755 A1 19910724 - SUCKER & FRANZ MUELLER GMBH [DE]
- [A] US 5375281 A 19941227 - HAMANN HANS-JOERG [DE]
- [DA] WO 03035960 A1 20030501 - TSUDAKOMA IND CO LTD [JP]
- [A] DE 19832163 A1 20000120 - SUCKER MUELLER HACOBA GMBH [DE]
- [A] DE 3531758 A1 19870319 - SUCKER & FRANZ MUELLER GMBH [DE]
- [DA] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 12 12 December 2002 (2002-12-12)

Cited by

CN115787223A

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