

Title (en)
Sizing machine

Title (de)
Schlichtevorrichtung

Title (fr)
Dispositif d'encollage

Publication
EP 1634653 A2 20060315 (EN)

Application
EP 05019354 A 20050906

Priority
JP 2004262757 A 20040909

Abstract (en)
A sizing machine for sizing warp yarns (T) by drawing warp yarns supplied with size liquid through a pair of squeeze rollers (11,12) and squeezing off excessive size liquid from the warp yarns with the squeeze rollers. A size liquid supply means (21,22) supplies size liquid to the circumferential surface of the roller located at an upper side of the warp yarns or supplies size liquid to an upper surface defined on the warp yarns upstream from the pair of squeeze rollers. A size liquid tray (15) arranged below the squeeze rollers includes a receiving portion for receiving size liquid that falls from the pair of squeeze rollers. The receiving portion is located at a position that is always out of contact with the lower squeeze roller during operation of the sizing machine. Accordingly, an optimal amount of size liquid is easily supplied to the warp yarns.

IPC 8 full level
B05C 1/08 (2006.01); **B05C 11/02** (2006.01); **B05C 11/10** (2006.01); **D06B 3/04** (2006.01)

CPC (source: EP)
B05C 1/0813 (2013.01); **B05C 1/083** (2013.01); **B05C 11/025** (2013.01); **B05C 11/1039** (2013.01); **D06B 1/08** (2013.01); **D06B 1/148** (2013.01)

Citation (applicant)
• JP H0634394 A 19940208 - YAZAKI CORP
• JP S6422380 A 19890125 - TOYOTA MOTOR CORP, et al

Cited by
EP1801279A1; CN115318542A; CN109453957A; CN110180733A; CN109013217A; CN102808298A; CN105797912A; CN116689209A; EP3600693A4

Designated contracting state (EPC)
DE

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EP 1634653 A2 20060315; **EP 1634653 A3 20060329**; CN 100368620 C 20080213; CN 1746376 A 20060315; JP 2006077361 A 20060323

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