

Title (en)

Device for positioning and/or dislocating a roll in a papermachine

Title (de)

Vorrichtung zur Positionierung und/oder Verlagerung einer in einer Papiermaschine eingesetzten Walze

Title (fr)

Dispositif pour la mise en place et/ou pour la dislocation d'un rouleau dans une machine à papier

Publication

EP 1039023 A3 20010314 (DE)

Application

EP 00104737 A 20000304

Priority

DE 19912501 A 19990319

Abstract (en)

[origin: EP1039023A2] The assembly (10) to position and/or transfer a roller (14) at a papermaking machine has at least one lifting system (20) at the machine frame (18), linked to the machine frame (18) at one side and the bearing pedestal (22) of the roller (14) at the other side. The lifting system (20) is fitted with a sliding movement across the load-bearing direction, and the roller axis, at the machine frame (18) and bearing pedestal (22). Sliding couplings (24,26) are at the machine frame (18) and bearing pedestal (22), as linkage points for the lifting system (20). The lifting system (20) has at least one lifting cylinder (20'). An upper linkage point (28), between the lifting system (20) and the machine frame (18), is set to reduce the horizontal movement of the roller (14) to a min. through distortion of the machine frame (18) when under a load. The lifting system (20) and/or the bearing pedestal (22) at the roller (14) are additionally linked at the sides to the machine frame (18) by at least one setting cylinder (32). For a blanket change, the lifting system (20) and the setting cylinder are controlled and set so that the roller (14) only has a vertical movement, and the setting cylinder (32) is not charged for a blanket change. The lifting system (20) and the setting cylinder (32) are in a combination for control so that the roller (14) can be given a movement away from the vertical, and the setting cylinder (32) can move the roller (14) horizontally independently of the lifting system (20). The setting cylinder (32) gives the roller (14) a side movement, when it has been lifted into the upper position and locked in place. A lifting system (20) is for each bearing pedestal (22) at both ends of the roller (14), and a side movement can be given to both ends of the roller (14). The lifting system (20) is brought to the upper roller (14) of a web press station with two press rollers (14,16). A mechanical lock is at the lifting system (20) and the setting cylinder (32), to secure the weight of the lifted and/or deflected roller (14) for safety in the event of a cable break.

IPC 1-7

D21F 3/02; **D21G 1/02**

IPC 8 full level

D21F 3/02 (2006.01); **D21F 7/00** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP)

D21F 3/02 (2013.01); **D21F 7/001** (2013.01); **D21G 1/0293** (2013.01)

Citation (search report)

- [A] WO 9312289 A1 19930624 - VOITH GMBH J M [DE]
- [DA] WO 9806896 A1 19980219 - BELOIT TECHNOLOGIES INC [US]

Cited by

CN104555526A; CN104555525A

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DE 19912501 A1 20000921; DE 50011537 D1 20051215; EP 1039023 A2 20000927; EP 1039023 A3 20010314; EP 1039023 B1 20051109

DOCDB simple family (application)

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