

Title (en)
Pressing arrangement with a transfer belt

Title (de)
Pressenanordnung mit einem Transferband

Title (fr)
Dispositif de pressage avec une bande de transfert

Publication
EP 1754822 A2 20070221 (DE)

Application
EP 06016432 A 20060807

Priority
DE 102005039300 A 20050819

Abstract (en)
Operating a paper machine press arrangement with press nips (18, 22) through which the paper web passes together with a transfer belt (12) comprises selecting a peak pressure in the press nips of less than 10 MPa. Independent claims are also included for: (1) operating a paper machine press arrangement with press nips through which the paper web passes together with a transfer belt, comprising using a transfer belt with a Pusey-Jones hardness of 30 or less on the inside and outside under standard conditions when the belt is uncompressed; (2) operating a paper machine press arrangement with press nips through which the paper web passes together with a transfer belt, comprising using nip-forming rolls (14, 16, 20) covered with rubber, polyurethane or a similar soft material; (3) operating a paper machine press arrangement with press nips through which the paper web passes together with a transfer belt, comprising using nip-forming rolls with a cover thickness of 10-40 mm; (4) operating a paper machine press arrangement with press nips through which the paper web passes together with a transfer belt, comprising removing entrained air and water from the inside of the transfer belt; (5) operating a paper machine press arrangement with press nips through which the paper web passes together with a transfer belt, comprising removing dirt from the inside and outside of the transfer belt.

Abstract (de)
Bei einem Verfahren zum Betreiben einer der Herstellung und/oder Behandlung einer Faserstoffbahn, insbesondere Papier- oder Kartonbahn, dienenden Pressenanordnung (10) mit wenigstens einem Pressnip (18,22), durch den die Faserstoffbahn zusammen mit einem Transferband (12) hindurchgeführt wird, wird der Spitzendruck in dem Pressnip (18,22) < 10 MPa gewählt. Dabei ist es von Vorteil, wenn das Verhältnis Transferbandlänge (m) / Bahnlaufgeschwindigkeit (m/min) < 0,0155, insbesondere < 0,014 und vorzugsweise < 0,01 gewählt wird.

IPC 8 full level
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CPC (source: EP)
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Cited by
CN112424421A; US8496785B2; WO2020030509A1

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