Title (en)

KING ROLL REELING MACHINE

Title (de)

TRAGWALZEN-WICKELMASCHINE

Title (fr)

ENROULEUSE A CYLINDRES PORTEURS

Publication

EP 0496863 B2 19990107 (DE)

Application

EP 91914763 A 19910816

Priority

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- DE 4026597 A 19900823
- EP 9101555 W 19910816

Abstract (en)

[origin: WO9203366A1] The known king roll reeling machines for shaftless winding of a web of material (4) divided by a lengthwise cut, in particular a web of paper of cardboard, onto sleeves (11) have take-up rollers (6) which are applied during take-up to two king rolls (2, 3) and are supported by guide heads (10) which can be inserted sideways into the sleeves of the two outer take-up rollers (6). The take-up rollers (6) can only be wound with high winding quality up to a maximum diameter. According to the invention, the space delimited by the king rolls (2, 3) and the take-up rollers (6) is sealed and an overpressure is produced in the space. To this end, sealing elements (18) which can be displaced axially to suit webs of different widths and which can be moved simultaneously in an area outside the area of movement of the guide heads (10) and their fastener (carriage (9)) are arranged in the region of the two side ends of the king rolls (2, 3). Frictional engagement between the king rolls is prevented when the sealing elements (15, 18) are in the sealing position.

IPC 1-7

B65H 18/20

IPC 8 full level

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CPC (source: EP)

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Cited by

US5848760A; US5839689A; US5899405A; EP0814042A3; US6325323B1

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