

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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• 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.

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IPC 8 full level
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Cited by
US5848760A; US5839689A; US5899405A; EP0814042A3; US6325323B1

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WO 9203366 A1 19920305; AT E130580 T1 19951215; BR 9105875 A 19921103; CA 2069898 A1 19920224; CA 2069898 C 20040406; DE 4110047 A1 19921001; DE 59106948 D1 19960104; DE 9116308 U1 19920806; EP 0496863 A1 19920805; EP 0496863 B1 19951122; EP 0496863 B2 19990107; ES 2083587 T3 19960416; ES 2083587 T5 19990616; FI 108858 B 20020415; FI 921789 A0 19920422; FI 921789 A 19920422; JP 2974773 B2 19991110; JP H05501699 A 19930402

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