

Title (en)  
WINDING MACHINE

Title (de)  
WICKELMASCHINE

Title (fr)  
ENROULEUSE

Publication  
**EP 0729432 A1 19960904 (DE)**

Application  
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Priority  
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Abstract (en)  
[origin: US5758842A] PCT No. PCT/EP94/03835 Sec. 371 Date Nov. 21, 1996 Sec. 102(e) Date Nov. 21, 1996 PCT Filed Nov. 19, 1994 PCT Pub. No. WO95/13980 PCT Pub. Date May 26, 1995A winding machine for winding webs, such as paper webs which may be longitudinally slit, has two support rollers (TW1 and TW2) that carry the roll being produced (R; R'; R'', R''') in a winding bed formed between the support rollers. Both support rollers have elastic casings (M1 and M2) which are however deformable to a different extent. One of the support rollers is partially surrounded by the web during winding. In order to further optimize the winding quality, even in the case of heavy wound web rolls, the support roller (M1) subjected to the highest total load, that results both from static and dynamic loads during winding, has the most elastically deformable casing. Such a winding machine is preferably developed so that the space (DR) delimited by both support rollers (TW1 and TW2) and the already partially produced wound web roll (R) is sealed as much as possible at its ends and from below. An overpressure can be generated in the space (DR) for relieving the inherent weight of the roll (R). This combination of measures substantially prevent undesirable inclusion of air.

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