

Title (en)  
Device for guiding band like materials having at least a cylinder-core and several lamella rings mounted thereon, and a procedure to produce said device.

Title (de)  
Einrichtung zur Führung bahnförmiger Materialien, mit mindestens einem Walzenkern und mehreren darauf aufgetragenen Lamellenringen und ein Verfahren zur Herstellung der Einrichtung.

Title (fr)  
Dispositif pour guider des matériaux en bande, avec au moins un noyau de cylindre recevant plusieurs anneaux à lamelles, et un procédé pour réaliser un tel dispositif

Publication  
**EP 0663363 B1 19970827 (DE)**

Application  
**EP 94119610 A 19941212**

Priority  
AT 255893 A 19931216

Abstract (en)  
[origin: EP0663363A1] A sectional ring (2), especially suited as a rotary tensioning roller, has at least one intentional reflex bend (4, 14). Two such bends may be included; hence seen in cross section, the roller section is approximately Z-shaped. The bridging section has a pair of parallel edges enclosing an angle with the axis, or it may become thicker towards the axis. As construction materials, rubber, natural rubber, plastic or similar are suitable. The key feature is that when radial pressure is exerted onto the ring, the outer cylindrical surface (20) shifts its position along the axis, but maintains parallelism with that axis. In addition to the sectional ring, a stretching-roller formed with its aid, and the procedure to manufacture a complete, smooth-surfaced roller are also claimed.

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IPC 8 full level  
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CPC (source: EP)  
**B65H 23/0251** (2013.01); **B65H 27/00** (2013.01); **D06C 3/06** (2013.01); **B65H 2402/00** (2013.01); **B65H 2404/112** (2013.01); **B65H 2404/185** (2013.01)

Cited by  
US7007951B1; EP1215327A3; DE102009036929A1; DE102004038165B4; US2023117841A1; EP1057761A1; DE102006012355B4; DE102006012355A1; IT201700074822A1; US6602176B1; WO2021254732A1; WO2004113210A1; WO2023285049A1; WO2019008526A1; WO2023285048A1

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