

Title (en)  
MATERIAL TENSIONING METHOD AND APPARATUS

Publication  
**EP 0016267 B1 19830302 (EN)**

Application  
**EP 79300409 A 19790315**

Priority  
EP 79300409 A 19790315

Abstract (en)  
[origin: EP0016267A1] For subjecting a continuous strip of metallic-material or stock to an applied high tension for a drawing, straightening or stretching process, apparatus is disclosed which comprises a pair of elastic ring-equipped roll assemblies for holding the material there-between under a high tension applied by the roll assemblies. The elastic ring (5,6) of each roll assembly is capable of elastic deformation which elongatesthe area of the ring in contact with the material (13) along the circumference of the ring as applied tension increases, thus increasing the contact area over which the applied force is distributed evenly. This results in a reduction of the force per unit area. Each elastic ring is mounted on a shaft (1,2). at least one of the shafts being drivable, by way of at least three rollers (3,3a 3b; 4, 4a, 4b) which are interposed between the ring (5,6) and shaft (1,2) for axial rotation and two of which (3,3a; 4,4b) are arranged to bridge the ring over the ring contacting area of the material.

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