Title (en)
ENDLESS TRAVERSING BAND FOR YARN AND METHOD FOR MAKING THE SAME

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Application
EP 87107451 A 19870522

Priority
DE 3627516 A 19860813

Abstract (en)
[origin: US4767072A] An endless yarn traversing band for a yarn traversing device in a machine for producing cross-wound bobbins. The band has spaced yarn guiding projections in a sawtoothed configuration. The band is formed of a textile yarn or metallic yarn fabric embedded in an elastomeric material. C-shaped sheaths of stainless steel are clamped over the leading edges of the yarn guiding projections. These leading edges project generally perpendicularly from the band up to a maximum inclination away from the direction of travel of the band of approximately 10 degrees. The trailing edges of the yarn guiding projections are convexly shaped such as with an outer extent angled approximately 10 degrees inwardly from the outer end of the leading edge and an inward extent extending at a greater inclination. The band is produced by forming layers of fabric, embedding the fabric in an elastomeric material, cutting the embedded fabric to the shape of the band and yarn guiding projections, scarfing and joining the ends of the band to form an endless band and then clamping the sheaths on the leading edges of the yarn guiding projections. Alternatively, the yarn guiding projections can be inserted between the fabric layers before embedding in the elastomeric material, also, alternatively, the fabric can be wound in endless layers and embedding in elastomeric material in endless form.

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