

# METALLIC ARTICLE WITH INTEGRAL END BAND UNDER COMPRESSION AND METHOD FOR MAKING

## ABSTRACT

An article (10) made of a metallic material and comprising a body (12) and a body end portion (18) integral with the body (12), includes a band (20) of the metallic material at the end portion (18) substantially through the entire end portion (18), the band (20) being under a compressive stress greater than the body (12). An example of the article (10) is a turbine engine blading member in which the body (12) is the airfoil of the member (10) and the band (20) is disposed at the radially outer tip portion (18) of the airfoil (12). One method for providing the band (20) includes performing roller deformation on the end portion (18) until a desired amount of compressive stress is developed in the band (20) substantially through the entire end portion (18).

Figure 1