ABSTRACT

FIBER-REINFORCED COMPOSITE PRODUCT WITH GRADED STIFFNESS

A fiber-reinforced composite material with graded stiffness, and method of making the same. The degree of stiffness variation may be controlled via modifications to the fabrication processes. Products with varying stiffness along their lengths are described. In one example, a dental post is fabricated from material according to the present invention which has one end with low stiffness adapted for insertion into the root of the tooth, and a high stiffness end suitable to support the restoration.

FIGURE 1B

This Sheet Has Been Replaced