

REINFORCING SUPPORT MEMBER AND SUPPORTER USING THE SAME

ABSTRACT

A reinforcing support member and a supporter using the same that can smoothly follow bending and stretching of the joint of a wearer and support the joint of the wearer at the time of both stretching and bending. The reinforcing support member 100 is configured to include: a support section 1 consisting of three columns of bone bodies 14, 15, 16 formed by fusing and solidifying three columns of elongated three-dimensional (3D) fabrics 11, 12, 13 through heating, each of the 3D fabrics 11, 12, 13 being formed by knitting both of an outer fabric 1A and a lining fabric 1B with a first ground thread 10 containing a heat-fusible resin fiber and joining between the outer fabric 1A and the lining fabric 1B with the first ground thread 10 or second ground thread 10a; and a connection section 2 that joins a third ground thread 20 to stitches at end edges of the 3D fabrics 11, 12, 13 between respective adjacent ones of the 3D fabrics 11, 12, 13, the third ground thread 20 being stretchable and made of an uncured fiber that is stable in fusion of the heat-fusible resin fiber of the first ground thread 10.

Fig. 1