

AN ADAPTER FOR ROTATABLY
SUPPORTING A YARN CARRIER IN A
WINDING ASSEMBLY OF A YARN PROCESSING MACHINE

Abstract of the Invention

An adapter is provided for rotatably supporting a tubular end of a yarn carrier in a take-up winding assembly of a yarn processing machine which accommodates the placement of a yarn transfer tail across an end surface of the yarn carrier between the yarn carrier and the adapter without breaking or cutting of the yarn transfer tail during winding of the yarn. The adapter includes a hub portion for extending axially into the tubular end of the yarn carrier to center the yarn carrier on the adapter and which has an outside surface with a cross-sectional diameter less than the diameter of an adjacent inside surface of the yarn carrier for defining a space therebetween to accommodate the placement of the yarn tail. An annular flange portion extends radially outwardly from the rear of the hub portion and has an inside surface for being positioned adjacent the end surface of the yarn carrier. Members, preferably in the form of equally spaced ribs, are formed on the annular flange portion (1) for abutting the end surface of the yarn carrier to define a space between the end surface of the yarn carrier and the inside surface of the annular flange to accommodate the placement of the yarn tail and (2) for engaging and, preferably slightly penetrating, the end surface of the yarn carrier to retard relative rotation between the yarn carrier and the adapter.

#242690

This Sheet Has Been Replaced



THIS SHEET HAS BEEN
REPLACED