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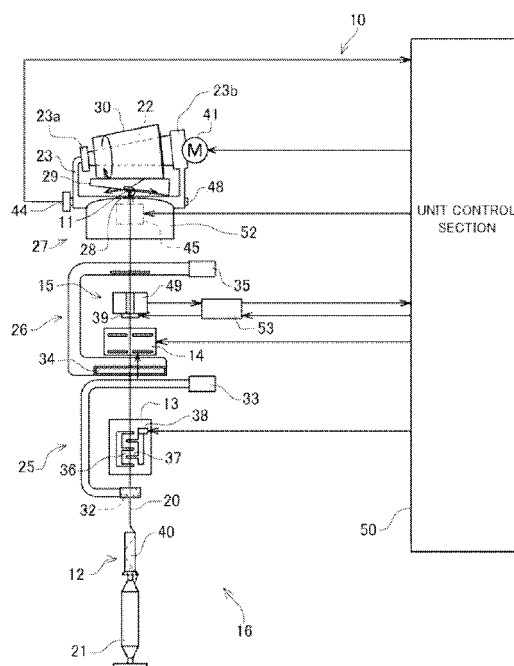
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(54) **Yarn winding machine**

(57) An automatic winder includes a cradle, a contact roller (29) and a traverse device. The cradle rotatably supports a winding bobbin (22) around which a yarn is wound into a package (30). The contact roller (29) rotates while making contact with the package (30). The traverse device is provided independently from the contact roller (29), and traverses the yarn with respect to a surface of the package (30). The contact roller 29 is formed as a taper shape. A larger and smaller diameter ratio (d_2/d_1) of the contact roller (29) is smaller than a larger and smaller diameter ratio (D_2/D_1) of the winding bobbin (22).

FIG. 1



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EUROPEAN SEARCH REPORT

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Place of search The Hague		Date of completion of the search 9 March 2012	Examiner Lemmen, René
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