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- **Muta, Katsufumi**
Kyoto Kyoto 612-8686 (JP)
- **Namikawa, Tetsuya**
Kyoto Kyoto 612-8686 (JP)
- **Mori, Hideshige**
Kyoto Kyoto 612-8686 (JP)

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(71) Applicant: **Murata Machinery, Ltd.**
Kyoto-shi, Kyoto 601-8326 (JP)

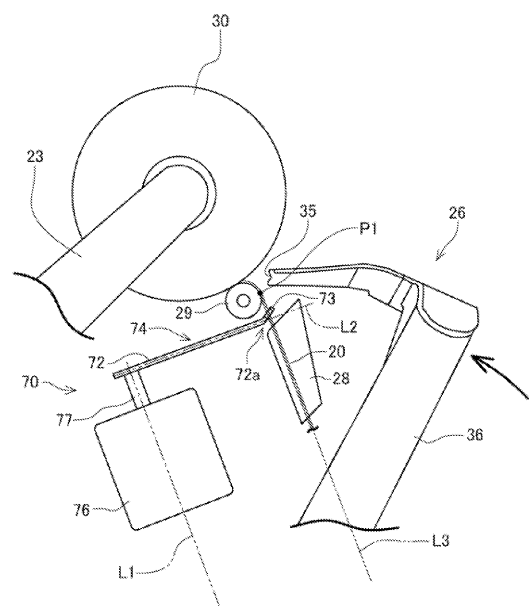
(72) Inventors:
• **Tanigawa, Yasunobu**
Kyoto Kyoto 612-8686 (JP)

(74) Representative: **Vogeser, Werner et al**
Hansmann & Vogeser
Patent- und Rechtsanwälte
Maximilianstrasse 4b
82319 Starnberg (DE)

(54) **Yarn winding machine**

(57) An automatic winder includes a yarn supplying section (11), a cradle (23), a contact roller (29), a traverse arm (74), a traverse driving motor (76), a splicer device (14), and an upper yarn catching member (26). The cradle 23 rotatably supports a winding bobbin. The contact roller (29) rotates while making contact with a package (30). The traverse arm (74) traverses yarn using a yarn guide section (73) located at a tip end thereof. The traverse driving motor (76) rotationally drives the traverse arm (74). The splicer device (14) connects yarn ends. The upper yarn catching member (26) can catch the yarn end from the package (30). When viewed from an axial direction of the contact roller (29), a rotational axis line (L1) of the traverse arm (74) and a yarn path line (L3), which is formed by extending a yarn path near the yarn guide section (73) at a traverse end, intersect while forming an acute angle or are parallel to each other.

FIG. 3





EUROPEAN SEARCH REPORT

Application Number
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Place of search		Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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