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(72) Inventors:
• **Ueda Kenichi**
Kyoto 612-8686 (JP)
• **Yamada Shuji**
Kyoto 612-8686 (JP)

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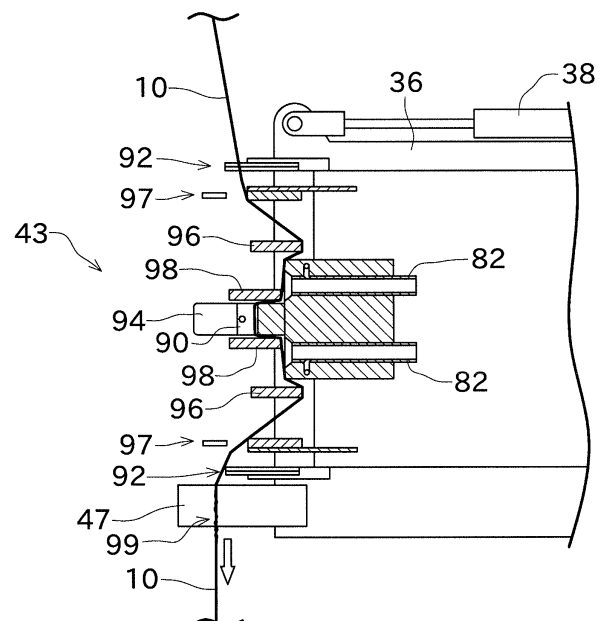
(74) Representative: **Zimmermann, Tankred Klaus et al**
Schoppe, Zimmermann, Stöckeler
Zinkler, Schenk & Partner mbB
Patentanwälte
Radlkoferstrasse 2
81373 München (DE)

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

(54) **Apparatus for joining a yarn, and yarn winding machine and unit including same**

(57) A yarn joining device (43) is adapted to perform a yarn joining operation to join a spun yarn (10) between a spinning device and a package. A yarn-path regulating member (yarn guiding levers 96 and yarn controlling levers 98) is adapted to move between a position of making contact with the spun yarn (10) to bend the spun yarn (10) and a position of releasing the spun yarn (10). A control section is adapted to control the yarn-path regulating member to make contact with the spun yarn (10) to bend the spun yarn (10) during the yarn joining operation, and to maintain bending of the spun yarn (10) after completion of the yarn joining operation and until at least winding of the spun yarn (10) by the winding device is started.

FIG. 12





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Y	* sentence 28 - sentence 31 * * figures 2, 6a-6g * * abstract *	3-5,8,9	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
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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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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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