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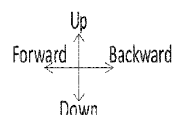
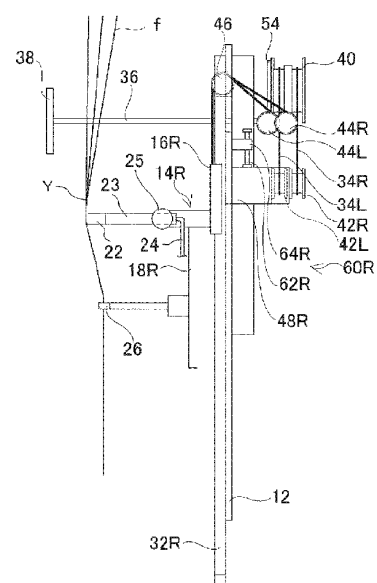
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(54) **SPINNING SYSTEM**

(57) A spinning system capable of causing an oil-agent application unit to move up and down favorably despite its simple configuration is provided. Such a spinning system comprises: a spinning unit configured to allow a plurality of yarns to be spun downward through a plurality of spinnerets, respectively; an oil-agent application unit 20 arranged below the spinning unit including a plurality of oil supply guides 22 for supplying oil agent to the plurality of yarns Y spun through the plurality of spinnerets, respectively; a support member 14L, 14R for supporting the plurality of oil supply guides 22; and a lifting up and down unit 30 configured to cause the oil-agent application unit 20 to move up and down with respect to the spinning unit. The lifting up and down unit 30 includes at least two wires 34L, 34R connected to the support member 14L, 14R at two or more positions so as to support the support member 14L, 14R from an upward side; and a handle 38 for causing the support member 14L, 14R connected with the at least two wires 34L, 34R to move up and down.

FIG. 3





## EUROPEAN SEARCH REPORT

Application Number

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## DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
<b>X</b>	<b>JP 2005 281902 A (TORAY INDUSTRIES)</b> <b>13 October 2005 (2005-10-13)</b> <b>* paragraphs [0009] - [0011], [0027], [0031], [0032], [0035], [0036], [0041]; figures 1,2,3 *</b> -----	<b>1-9</b>	<b>INV.</b> <b>D01D13/02</b> <b>D01D5/096</b>
<b>A</b>	<b>JP 2003 013323 A (TORAY INDUSTRIES)</b> <b>15 January 2003 (2003-01-15)</b> <b>* paragraphs [0004], [0026] *</b> -----	<b>1-9</b>	
<b>A</b>	<b>JP 2016 108698 A (TORAY INDUSTRIES)</b> <b>20 June 2016 (2016-06-20)</b> <b>* paragraphs [0055] - [0057]; figure 7 *</b> -----	<b>1-9</b>	
			<b>TECHNICAL FIELDS SEARCHED (IPC)</b>
			<b>D01D</b>

The present search report has been drawn up for all claims

Place of search

**The Hague**

Date of completion of the search

**22 March 2023**

Examiner

**Van Beurden-Hopkins**

## CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone  
 Y : particularly relevant if combined with another document of the same category  
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 D : document cited in the application  
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# **ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.**

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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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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82