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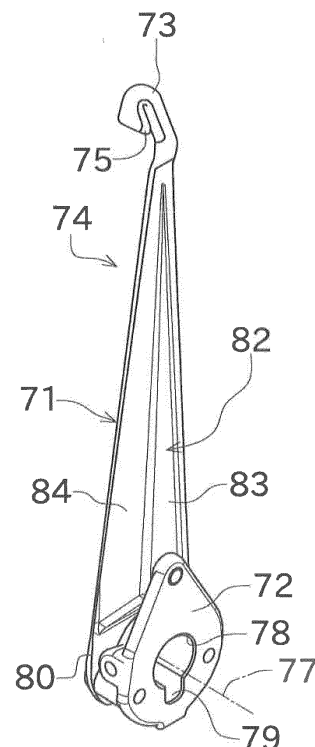
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(54) **Traverse arm and yarn winding machine including the same**

(57) A traverse arm (74) includes an arm body (71) and a traverse guide (73) arranged at a tip-end portion of the arm body (71), and is adapted to be driven and swung by a swing-drive shaft (77) substantially perpendicular to a longitudinal direction of the arm body (71). The arm body (71) is made of a plate member, and at least a portion of the plate member is bent within a cross section perpendicular to the longitudinal direction to form a protrusion (82) that protrudes in a direction of the swing-drive shaft.

FIG. 4C





EUROPEAN SEARCH REPORT

 Application Number
EP 13 18 5553

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* column 2, lines 22-28; figures 1b, 2, 5b *	3	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 8 January 2015	Examiner Pussemier, Bart
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 ON EUROPEAN PATENT APPLICATION NO.

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