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(54) Slow-gear and pick-finding clutch having an improved magnetic flux and manufacturing method therefor

(57) A slow-gear selection and pick-finding clutch device in a weaving loom and method therefor is disclosed, of the type comprising a stator (1) integral with the loom and a flange (2) fixed to a driven shaft, equipped with opposing, flat bevelled toothings, between which a disc (3) is located integral with the loom main shaft, provided with corresponding flat bevelled toothings, translatable from a coupling position to said stator (1) to a coupling position to said flange (2), said disc being displaceable under the action of a magnetic force developed by a solenoid (E) integral with said stator (1), at the toothings (1a) of said stator (1) a flat circumferential surface (1a') being provided, so as to define, together with a flattened area (3a') in the corresponding toothings (3a) of said disc (3), at least a pair of flat coupling surfaces (1a', 3a') intended to come into contact when the solenoid (E) is energised.

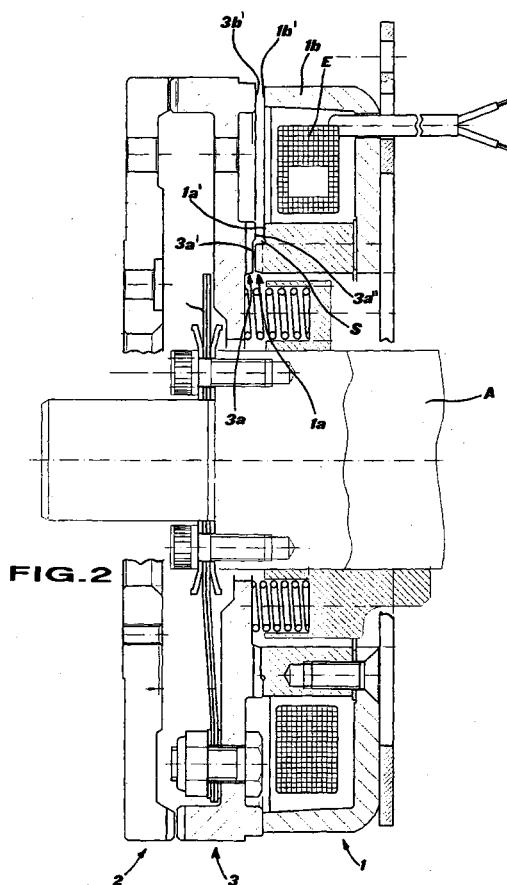


FIG.2



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EUROPEAN SEARCH REPORT

Application Number
EP 04 10 0257

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)						
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TECHNICAL FIELDS SEARCHED (Int.Cl.7)									
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<p>The present search report has been drawn up for all claims</p> <p>3</p>									
<table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>The Hague</td> <td>28 January 2005</td> <td>Van Gelder, P</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	The Hague	28 January 2005	Van Gelder, P
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The Hague	28 January 2005	Van Gelder, P							
<table border="1"> <tr> <td colspan="2">CATEGORY OF CITED DOCUMENTS</td> </tr> <tr> <td colspan="2"> 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 </td> </tr> <tr> <td colspan="2"> 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 </td> </tr> </table>				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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28-01-2005

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