

Title (en)

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

Title (de)

Kupplung zum Langsamlaufen und Schusssuchen mit verbessertem magnetischem Fluss und Verfahren zu ihrer Herstellung

Title (fr)

Embrayage à flux magnétique amélioré pour la marche lente et la recherche du pas et procédé pour sa fabrication

Publication

EP 1469109 A3 20050323 (EN)

Application

EP 04100257 A 20040126

Priority

IT MI20030817 A 20030418

Abstract (en)

[origin: EP1469109A2] 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 toothing, between which a disc (3) is located integral with the loom main shaft, provided with corresponding flat bevelled toothing, 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 toothing (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 toothing (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. <IMAGE>

IPC 1-7

D03D 51/00

IPC 8 full level

D03D 51/00 (2006.01)

CPC (source: EP)

D03D 51/085 (2013.01); **D03D 51/14** (2013.01)

Citation (search report)

- [A] DE 3224759 A1 19840105 - STROMAG MASCHF [DE]
- [A] DE 3609404 A1 19861002 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- [AD] EP 1158081 A1 20011128 - PROMATECH SPA [IT]
- [AD] EP 1245707 A1 20021002 - PROMATECH SPA [IT]

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