

Title (en)

ACTUATOR ASSEMBLY FOR A PICKER HEAD IN A WIRE CLOTH MAKING MACHINE

Publication

EP 0120357 B2 19930224 (EN)

Application

EP 84102421 A 19840307

Priority

IT 2004983 A 19830311

Abstract (en)

[origin: EP0120357A1] The actuator assembly comprises essentially a gear pair (2, 3), whereof one gear (2) is driven rotatively by the loom own crankshaft and the other (3) caused to mesh with the former, being driven thereby to follow a substantially epicycloidal path around it. Rigidly attached to the latter gear (3) is a washer (7) with which a first connecting rod element (13) engages which is connected to a rod linkage (16) having a bow divider-like configuration, and has a second connecting rod element (51) articulated thereto which reciprocates the picker head actuating carriage, thereby the picker head is caused to pass through the shed to engage with the weft wire and pull, by a substantially constantly applied tension, the weft through the shed, and is held back for an adjustably preset time period prior to completing another stroke. Thus the picker head can be moved with a very high speed and in perfectly timed relationship with the motion of the loom sley thereby providing a wire cloth of optimum characteristics.

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D03D 47/12

IPC 8 full level

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CPC (source: EP)

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