

Title (en)
Method for determining the position of magnetoelectric selectors for needles of the needle cylinder in knitting machines for hosiery and the like

Title (de)
Verfahren zur Bestimmung der Position von elektro-magnetischen Nadelauswählern der Nadelzylinder an Strickmaschinen für Strümpfen oder dergleichen

Title (fr)
Procédé pour déterminer la position des sélecteurs électro-magnétiques des aiguilles du cylindre d'aiguilles dans des métiers à tricoter pour bas et similaires

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EP 0962571 A3 20001108 (EN)

Application
EP 99109277 A 19990527

Priority
IT MI981227 A 19980603

Abstract (en)
[origin: EP0962571A2] A method for determining the position of magnetoelectric selectors around the needle cylinder in knitting machines for hosiery and the like which comprise a needle cylinder (11) in the curved surface of which there is a plurality of axial slots (12), each slot (12) accommodating a needle (2) and at least one selection element (1), and selectors (3) which comprise permanent magnets (4) and coils (5) which laterally face the needle cylinder (11) at the level of the selection elements (1), comprising the following steps: generating electromagnetic disturbances, by way of the rotation of the needle cylinder (11) and the passage of the selection elements (1) at a selector (3), in order to obtain electric signals which represent the passage of each selection element (1); sampling each one of the electric signals starting from a zero value of an encoder (10) connected to the needle cylinder (11) and storing the samples obtained at each elementary step (14) of the encoder (10); analyzing each one of the signals in order to detect the times of passage in front of each one of the selectors (3) and correlating the times with the samples in order to determine the position of the selectors (3) with respect to the selection elements (1) of the needle cylinder (11), so as to determine times for sending actuation signals to the selectors (3) in order to select chosen needles (2) in each case. <IMAGE>

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CPC (source: EP)
D04B 15/66 (2013.01); **D04B 35/10** (2013.01)

Citation (search report)

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