

Title (en)

Pen plotter comprising a drawing instrument store allowing exchange of instruments and grouping of stored instruments, drawing instruments store and drawing instrument group definition process for same.

Title (de)

Plotterschreibgerät mit Gerätespeicher zum Austauschen und Gruppieren von Schreibgeräten, Schreibgerätespeicher und Bestimmungsverfahren von Gerätegruppen darin.

Title (fr)

Machine à dessiner à outils d'écriture inter-changeable à partir d'une réserve d'outils, avec groupement d'outils stockés, réserve d'outils et procédé de définition de groupes d'outils pour une telle machine.

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Application

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Abstract (en)

The pen plotter comprises a plotting head displaceable relative to a print medium and a drawing instrument store from which an instrument can be exchanged automatically. The store has a number of individual instrument receptacles divided into groups of instruments of the same type. The system is managed by a control unit that receives the graphics data concerning the plots to be traced, so as to command the corresponding displacements of the plotting head and print medium, and also to order the selection of a particular type of instrument from the store, on the basis of information identifying the groups of receptacles allocated to each type of drawing instrument. According to the invention, the instrument receptacles (Lk) that are assigned to a same group (GNi) are localised by identification devices (60) situated within the instrument store (24) and which cooperate with a detector, such as a electro-optical detector (70, 72) fixed to the plotter to supply the control unit with information defining the groups. Each identification device can indicate whether the two receptacles on either of its sides belong to the same group or not. The invention also relates to a drawing instrument store for such a pen plotter and to a process for defining groups of drawing instruments using the above devices.

<IMAGE>

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Citation (search report)

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