

Title (en)
METHOD OF AUTOMATIC IDENTIFICATION OF A TYPE WHEEL

Publication
EP 0395842 A3 19920122 (DE)

Application
EP 90102778 A 19900213

Priority
DE 3914256 A 19890429

Abstract (en)
[origin: EP0395842A2] An automatic identification of a type wheel after insertion in a printer or in a typewriter permits automatic adaptation of specific parameters such as the printing force, type pitch, feed rate of the ink ribbon etc. without the operator having to make special settings when changing the type wheel. For this purpose, it is known to provide the type wheel cartridge or the type wheel itself with identification codes which are sensed by special sensing devices. A detection device of this kind is very complex and expensive. The invention permits a more simple identification of the type wheel (1) in that the angle between the stop element and the coupling element of the pin-slot connection on the hub (2) of the type wheel (1) is of different size depending on the font set present on the spokes, in that control signals in the control circuit (35) are triggered by the blocking of the drive motor (10) during the search pass, by means of which signals the control circuit (35) then calculates the size of the angle by counting out the increments up to the zero position of the type wheel (1) and determines characteristic data therefrom which are stored as digital signals in a digital store (36). The sequence of the printing unit functions, such as the movement of the type carrier carriage (42) in the line direction and control of the type print force, is controlled by the control circuit (35) taking into account the characteristic data stored in the digital store (36). <IMAGE>

IPC 1-7
B41J 1/30

IPC 8 full level
B41J 1/30 (2006.01); **B41J 7/00** (2006.01)

CPC (source: EP US)
B41J 1/30 (2013.01 - EP US)

Citation (search report)
• [X] US 4428694 A 19840131 - RAGEN ROBERT A [US]
• [A] DE 3322999 A1 19850103 - OLYMPIA WERKE AG [DE]
• [A] US 4541746 A 19850917 - BOBART KEVIN L [US], et al

Designated contracting state (EPC)
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0395842 A2 19901107; EP 0395842 A3 19920122; DE 3914256 A1 19901031; JP H0361543 A 19910318; US 5005995 A 19910409

DOCDB simple family (application)
EP 90102778 A 19900213; DE 3914256 A 19890429; JP 10771690 A 19900425; US 51613290 A 19900427