

Title (en)

Measuring device for producing custom manufactured items.

Title (de)

Messvorrichtung zur Herstellung von nach Mass hergestellten Artikeln.

Title (fr)

Dispositif de mesure pour fabriquer des articles manufacturés sur mesure.

Publication

EP 0227642 A2 19870701 (EN)

Application

EP 87101359 A 19840803

Priority

- US 53224583 A 19830914
- US 60498284 A 19840427

Abstract (en)

Automated made-to-measure garment manufacturing method and apparatus. A subject's measurements are taken with a hand held measuring device and transmitted to a computer. The computer checks to see if the customer's style preference and physique are compatible and if they are, an order is generated. The customer measurements are then transmitted to a remote location for manufacture. At this location a computer has a set of co-ordinates defined for the customer's style in one size. These co-ordinates are modified based upon the actual customer measurements to produce a modified set of co-ordinates which in turn define the garment pieces for that customer. A control tape for a laser cutter is generated and the garment pieces are cut and sewn together. During the post cutting fabrication process, routing sheets for the garment indicate precision assembly steps to insure a quality finished garment is produced. Finally, the custom tailored suit is sent back to the retail outlet and delivered to the subject. Two embodiments of a measuring device used in the custom manufacturing process are disclosed. One takes only length measurements and a second takes both length and angle measurements. Each includes a frequency modulated transmitter for sending signals corresponding to the measurements to a separate receiver and storage unit where the measurements are stored for later use in the tailoring process. In a preferred embodiment of the invention, the storage unit comprises a personal computer with a visual display that can prompt a user into taking the measurements in a predetermined sequence.

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IPC 8 full level

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CPC (source: EP)

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Cited by

FR2667815A1; EP0516868A1; US6101424A; EP0801905A3; FR2746601A1; FR2626147A1; BE1006157A3; GB2243987A; EP0537388A1; GB2243987B; US7577583B2; US7949570B2

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