

Title (en)

Multipurpose tool, especially for clockmaker

Title (de)

Mehrzweckwerkzeug, insbesondere für Uhrmacher

Title (fr)

Outil multifonctions, en particulier pour horloger

Publication

**EP 0871094 A1 19981014 (FR)**

Application

**EP 97105746 A 19970408**

Priority

EP 97105746 A 19970408

Abstract (en)

The multi-function tool comprises an assortment (4) of tools and a hollow sleeve case (1) designed to hold the tools (4). The case has at its front end device (6,7) for attaching the tools (4) so that each individual tool (10,12,1,4,16,18) can be attached as required. The assortment of tools (4) includes one (14) having a cylindrical point (15) designed to drive out watchstrap pins and another (16) with a cylindrical point backed by a spring (17) designed to align pinholes when pins are removed.

Abstract (fr)

L'invention concerne un outil multifonctions destiné particulièrement à un horloger et permettant d'effectuer notamment le montage et le démontage des bracelets de montre, en particulier ceux qui comportent des chevilles chassées. A cet effet, l'outil comporte un manche (1) et un assortiment (4) de tiges d'outils à fixer sur le manche, en particulier une tige (14) à pointe cylindrique fixe (15) pour chasser des chevilles et une tige (16) à pointe cylindrique à ressort (17) pour vérifier le maintien axial des chevilles chassées dans le bracelet. <IMAGE>

IPC 1-7

**G04D 1/00**; G04D 3/00

IPC 8 full level

**G04D 1/00** (2006.01); **G04D 3/00** (2006.01)

CPC (source: EP)

**G04D 1/00** (2013.01); **G04D 3/0066** (2013.01)

Citation (search report)

- [A] US 5450775 A 19950919 - KOZAK BURTON [US]
- [A] DE 29700058 U1 19970306 - JU ALICE [TW]
- [A] US 697120 A 19020408 - WADE ROYAL H [US]
- [A] GB 2260093 A 19930407 - HATTORI SEIKO CO LTD [JP]
- [A] CH 317200 A 19561115 - DROZ WENGER AMI [CH]

Cited by

CN104687656A; EP1128238A1; EP3379344A1; CN107688288A; CN110426945A; US6597638B2

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