Title (en)
Horological collet

Title (de)
Spiralrolle für Uhr

Title (fr)
Virole d'horlogerie

Publication
EP 2003523 A1 20081217 (FR)

Application
EP 08015682 A 20030902

Priority
EP 03019944 A 20030902

Abstract (en)
The collet (1) has a flexible structure (10) for elastically locking a balancer staff (4), where the collet is made of silicon. A rigidification structure (11) in the form of a closed curve is placed outside of the flexible structure, and reattached to the flexible structure at distinct points (12a-12c). The rigidification structure has rounded summits (15a-15c) at the level of the points, and has shape such that center of gravity of the rigidification structure remains unchanged after pressing the rigidification structure on the staff.

Abstract (fr)
Une virole d'horlogerie (1) comprend une structure flexible (10) apte à serrer élastiquement l'arbre (4) d'un balancier et une structure de rigidification (11) extérieure à la structure flexible (10) et rattachée à cette dernière en au moins un point (12a, 12b, 12c). Un spiral (2) formé d'un seul tenant avec la virole (1) est rattaché à la structure de rigidification (11) en un point (3) qui reste sensiblement fixe lors du chassage de l'ensemble virole-spiral sur l'arbre (4).

IPC 8 full level
G04B 17/32 (2006.01)

CPC (source: EP)
G04B 17/32 (2013.01)

Citation (applicant)
- CH 490703 A 19700130 - NIVAROX SA [CH]
- EP 1302821 A2 20030416 - FRANCK MULLER WATCHLAND SA [CH]
- FR 1376018 A 19641023 - VIROLA SA
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Citation (search report)
- [XAY] EP 1302821 A2 20030416 - FRANCK MULLER WATCHLAND SA [CH]
- [Y] EP 0732635 A1 19960918 - SUISSE ELECTRONIQUE MICROTECH [CH]
- [A] US 3785028 A 19740115 - MULLER W

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Designated contracting state (EPC)
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EP 1513029 A1 20050309; **EP 1513029 B1 20081015**; AT E411550 T1 20081015; AT E514124 T1 20110715; CH 698081 B1 20090515; DE 60324141 D1 20081127; EP 2003523 A1 20081217; EP 2003523 B1 20110622

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