

Title (en)
Manufacturing method of an arbour of a timepiece barrel

Title (de)
Verfahren zur Herstellung eines Uhrfederhauswelle

Title (fr)
Procédé de fabrication d'un arbre de barillet horloger

Publication
EP 2674817 B1 20200527 (FR)

Application
EP 13163792 A 20130415

Priority
• EP 12165537 A 20120425
• EP 13163792 A 20130415

Abstract (en)
[origin: EP2657794A1] The method involves machining or turning a complete external contour of a barrel arbor (1) in a touching-up operation of a drawn bar (50) about a touching-up axis (DC) parallel to or merged with a drawing direction. A groove (33) is machined in the touching-up operation, where width of the groove is adjusted along direction of the touching-up axis to hold an inner coil of a mainspring in the direction of the touching-up axis on a point on revolution of the groove and the groove is tangent to a profile in shape of a snail in a zone relative to the axis of revolution of the groove. The touching-up operation is a bar turning operation.

IPC 8 full level
G04B 1/16 (2006.01); **G04B 1/18** (2006.01)

CPC (source: EP RU US)
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Y10T 29/49581 (2015.01 - EP US)

Cited by
EP3267265A3; CH713389A1; US10935931B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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