

Title (en)
Clockwork

Title (de)
Uhrwerk

Title (fr)
Mouvement d'horlogerie

Publication
EP 1233314 A1 20020821 (DE)

Application
EP 02000292 A 20020116

Priority

- DE 10107499 A 20010215
- DE 10111150 A 20010308
- DE 10116511 A 20010403
- DE 10128648 A 20010615
- DE 10132108 A 20010703

Abstract (en)
Mechanical clockwork assembly, especially for wrist or pocket watches has a mechanical oscillation system and a mechanical escapement with an escapement wheel (1) and an anchor (3). The functional elements of the escapement wheel are at least partially coated on their operating surfaces with a DLC (diamond like carbon) coating. An Independent claim is made for a mechanical clockwork assembly, especially for wrist or pocket watches with plate, plate element and balance-wheel arbor where the contact surfaces of the moving parts are coated with DLC.

Abstract (de)
Die Erfindung bezieht sich auf ein neuartiges Uhrwerk, insbesondere für Taschen- oder Armbanduhren, mit an wenigstens einer Platine und weiteren Platinenelementen gelagerten und miteinander zusammenwirkenden Funktionselementen. <IMAGE>

IPC 1-7
G04B 31/00; **G04B 31/02**; **G04B 15/14**

IPC 8 full level
G04B 15/14 (2006.01); **G04B 31/012** (2006.01); **G04B 31/02** (2006.01); **G04B 31/06** (2006.01)

CPC (source: EP)
G04B 15/14 (2013.01); **G04B 31/0123** (2013.01); **G04B 31/02** (2013.01); **G04B 31/06** (2013.01)

Citation (search report)

- [X] US 2027788 A 19360114 - RIDGWAY RAYMOND R, et al
- [Y] CH 346173 A 19600430 - COLOMB HENRI [CH]
- [Y] CH 529373 A 19720630 - FAR FAB ASSORTIMENTS REUNIES [CH]
- [A] CH 612308 A
- [A] DE 524779 C 19310512 - ZENITH MONTRES
- [A] CH 272881 A 19510115 - ERISMANN GERARD [CH]
- [A] CH 347777 A 19600715 - SPERRY GYROSCOPE COMPANY LIMIT [GB]

Cited by
CN107765535A; EP1705533A1; US2013234165A1; CN107490950A; EP2945025A1; CN105093898A; KR20150132024A; US9658597B2; US8770827B2; US11982977B2; DE102023107683A1; WO2011161182A1; WO2009043391A1; EP2453038A1; WO2012065802A1; DE112011103781T5; EP3001256B1; EP3001256B2

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