

Title (en)
Timepiece

Title (de)
Uhr

Title (fr)
Pièce d'horlogerie

Publication
EP 2876507 A1 20150527 (EN)

Application
EP 14173474 A 20140623

Priority
EP 14173474 A 20140623

Abstract (en)
A timepiece is described that includes a mechanical power system having a mainspring and housed in a barrel that is powered by the mechanical energy provided by the mainspring. The timepiece also includes a main wheel train engaged with the barrel and including an assembly of wheels meshed to each other for transmitting a torque output of the mainspring for driving time indicating hands. The timepiece also includes an electric motor engaged with a predetermined wheel of the main wheel train through an electric motor transmission mechanism, so as to provide an additional controllable torque output to main wheel train for driving the time indicating hands, thereby a total torque that drives the timepiece includes the torque provided by the mainspring and the additional controllable torque provided by the electric motor.

IPC 8 full level
G04C 3/04 (2006.01); **G04B 1/22** (2006.01)

CPC (source: EP)
G04B 1/22 (2013.01); **G04C 3/042** (2013.01)

Citation (applicant)

- US 6422739 B1 20020723 - HARA TATSUO [JP], et al
- GB 2349240 A 20001025 - SMITH OF DERBY GROUP LIMITED [GB]
- US 7906938 B2 20110315 - YANG TAI-HER [TW]
- US 7780342 B2 20100824 - TAKAHASHI OSAMU [JP], et al
- EP 1172713 A1 20020116 - SEIKO INSTR INC [JP]
- US 6439762 B2 20020827 - HARA TATSUO [JP], et al
- US 8337077 B2 20121225 - GIACOBINO JULIEN [CH]

Citation (search report)

- [A] EP 1975746 A2 20081001 - SEIKO EPSON CORP [JP]
- [AD] EP 1988434 A1 20081105 - YANG TAI-HER [TW]
- [A] FR 404908 A 19091215 - ERIEL D'USINES A GAZ [FR]
- [A] EP 1914604 A1 20080423 - GIRARD PERREGAUX SA [CH]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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