

Title (en)
Clock piece with digital display

Title (de)
Uhr mit digitaler Anzeige

Title (fr)
Pièce d'horlogerie à affichage digital

Publication
EP 1780613 A1 20070502 (FR)

Application
EP 05023662 A 20051028

Priority
EP 05023662 A 20051028

Abstract (en)
The timepiece has a digital display mechanism with four drums cinematically connected to each other. Two of the drums display minutes and hours by a scale and a scale graduation, respectively, and the third drum displays tens of minutes. The fourth drum displays tens of hours by a scale (0-1-2). One drum (416) has a differential mechanism (504) interacting with an input pinion (506) carried by the fourth drum so that the drum (416) is enabled to move forward to one division per hour in normal time and to pass from a division 3 to division 0 when the display passes from 23h59 to 00h00.

IPC 8 full level
G04B 19/21 (2006.01)

CPC (source: EP)
G04B 19/21 (2013.01)

Citation (applicant)

- CH 150975 A 19311130 - BAER HANS [CH]
- DE 7328799 U 19761230
- JP S5510948 A 19800125 - BROTHER IND LTD

Citation (search report)

- [XA] US 2734338 A 19560214
- [A] US 2645896 A 19530721 - UHLIG ERIC J, et al
- [DA] CH 150975 A 19311130 - BAER HANS [CH]
- [DA] DE 7328799 U 19761230

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1780613 A1 20070502; EP 1943564 A2 20080716; EP 1943564 B1 20150415; WO 2007048487 A2 20070503; WO 2007048487 A3 20071011

DOCDB simple family (application)
EP 05023662 A 20051028; EP 06806031 A 20061004; EP 2006009594 W 20061004