

Title (en)  
MECHANICAL HOUR AND MINUTE DISPLAY DEVICE

Title (de)  
MECHANISCHE VORRICHTUNG ZUR ANZEIGE VON STUNDEN UND MINUTEN

Title (fr)  
DISPOSITIF MECANIQUE D AFFICHAGE DES HEURES ET DES MINUTES

Publication  
**EP 1546818 A2 20050629 (FR)**

Application  
**EP 03798851 A 20030929**

Priority  
• EP 03798851 A 20030929  
• CH 0300645 W 20030929  
• EP 02405843 A 20021001

Abstract (en)  
[origin: EP1406131A1] Two concentric disks (1,2) bear peripheral numerals which enable them to indicate twelve hours through a dial plate slot. An adjacent dial plate slot shows peripheral numbers on two non concentric disks (3,4) to give a complete numerical time display. The hour disks are driven through spring loaded rockers and the minute disks through instantaneous step cams. Further disks (27,49,51) show am/pm, day and moon position

IPC 1-7  
**G04B 19/20**; **G04B 19/24**

IPC 8 full level  
**G04B 19/20** (2006.01); **G04B 19/24** (2006.01); **G04B 19/25** (2006.01); **G04B 19/253** (2006.01)

CPC (source: EP US)  
**G04B 19/202** (2013.01 - EP US); **G04B 19/25** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004031869A2

Designated contracting state (EPC)  
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HK 1074082 A1 20051028; JP 2006501451 A 20060112; JP 4594094 B2 20101208; US 2005152225 A1 20050714; US 7075860 B2 20060711;  
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