

Title (en)

Wheel attached with jumper for timepiece, wheel structure attached with slip mechanism of timepiece, time correcting structure and timepiece attached with time difference correction

Title (de)

Rad mit Hebelfeder für eine Uhr, Radstruktur mit Rutschmechanismus für eine Uhr, Zeitkorrekturstruktur und Uhr mit Zeitdifferenzkorrektur

Title (fr)

Roue comprenant un sautoir pour pièce d'horlogerie, structure de roue comprenant un mécanisme de glissement, mécanisme de correction horaire et pièce d'horlogerie comprenant un mécanisme de correction du décalage horaire

Publication

EP 1895370 A3 20090121 (EN)

Application

EP 07253359 A 20070824

Priority

JP 2006232190 A 20060829

Abstract (en)

[origin: EP1895370A2] To provide a jumper attached wheel for a timepiece, a slip mechanism attached wheel structure, a time correcting structure, a time difference correction attached timepiece capable of stably applying a restraining force regardless of a rotational direction of a finger wheel. A jumper attached wheel (60) forming a slip mechanism attached wheel structure (3) of a timepiece correcting structure of a time difference correcting timepiece includes a circular plate-like main body portion (71) including a hole (73) comprising a center hole portion (74) to which a finger wheel (62) is loosely fitted and a middle hole portion (75) expanded between one side of the center hole portion and a vicinity of an outer peripheral edge portion (71A), a jumper portion (80) comprising an elastic arm portion (81) connected to a peripheral wall portion of the center hole portion at base ends (83A,83B) and extended from the base end to one side (74A) of the center hole portion and a jump restraining finger portion (82) engaged with the finger wheel at a portion of the arm portion facing the one side, and a wheel portion (72) at an outer periphery thereof. The jumper attached wheel (60) includes guiding means (79) for guiding the jump restraining finger portion (82) in diameter directions (D1,D2) of the finger wheel (62) when the elastic arm portion (81) is elastically deformed in accordance with rotation of the finger wheel (62).

IPC 8 full level

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CPC (source: EP)

G04B 11/003 (2013.01); **G04B 13/023** (2013.01); **G04B 19/221** (2013.01); **G04B 27/005** (2013.01)

Citation (search report)

- [DA] JP H02222858 A 19900905 - SEIKO EPSON CORP
- [A] JP H0990061 A 19970404 - CITIZEN WATCH CO LTD

Cited by

CN107870549A; CN108614406A; EP4180882A1; CH710467A1; US2022091561A1; US12032333B2; EP3772673A1; US11774911B2

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