

Title (en)  
Anti-tripping device for timepiece escapement

Title (de)  
Vorrichtung zum Galoppschutz für Uhrenhemmung

Title (fr)  
Dispositif anti-galop pour échappement d'horlogerie

Publication  
**EP 1645918 A1 20060412 (FR)**

Application  
**EP 04023667 A 20041005**

Priority  
EP 04023667 A 20041005

Abstract (en)  
The device has columns (6,7) between which a finger (5) fixed to arm of balance (2), passes when the balance is moving. A locking arm (8) is clamp hooked to outer coil (10) of balance spring (1). The locking arm is inserted between columns and finger to prevent balance from rotating beyond an angle exceeding normal rotational angle.

IPC 8 full level  
**G04B 17/06** (2006.01); **G04B 43/00** (2006.01)

CPC (source: EP US)  
**G04B 43/002** (2013.01 - EP US)

Citation (search report)  
• [A] AT 225624 B 19630125 - FRICK ALFRED  
• [A] US 361850 A 18870426 - STRAIT A VAN  
• [A] DE 1206811 B 19651209 - LARS AADNESEN LOEGE

Cited by  
EP2434353A1; CN103576527A; EP2450757A1; US8556499B2; EP2450756A1; US8602637B2; US8764281B2

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

DOCDB simple family (publication)  
**EP 1645918 A1 20060412**; AT E539387 T1 20120115; CN 100462872 C 20090218; CN 1758160 A 20060412; HK 1085546 A1 20060825; JP 2006105986 A 20060420; JP 4608632 B2 20110112; SG 121950 A1 20060526; US 2006072376 A1 20060406; US 7070321 B2 20060704

DOCDB simple family (application)  
**EP 04023667 A 20041005**; AT 05020554 T 20050921; CN 200510108267 A 20051008; HK 06105569 A 20060515; JP 2005283471 A 20050929; SG 200506172 A 20050927; US 24036605 A 20051003