

Title (en)
PROCESS OF MANUFACTURING OF A COMPOSITE BALANCE

Title (de)
HERSTELLUNGSVERFAHREN EINER KOMPOSITEN UNRUH

Title (fr)
PROCÉDÉ DE FABRICATION D'UN BALANCIER COMPOSITE

Publication
EP 2257855 A1 20101208 (FR)

Application
EP 09721945 A 20090313

Priority

- EP 2009053001 W 20090313
- EP 08153093 A 20080320
- EP 09721945 A 20090313

Abstract (en)
[origin: EP2104005A1] The balance (45') has a hub (39') connected to a felloe (37') by arms (40'-43'), where composite balance is formed in a silicon based layer. The felloe has a crenated ring (23') whose density is higher than that of the silicon based layer for increasing inertia of the balance. The ring is mounted in a recess formed in one of main surfaces of the felloe. A cylinder (25') is mounted on one of main surfaces of the hub, where the cylinder and the crenated ring are formed from metallic material. An independent claim is also included for a method for fabricating a composite balance.

IPC 8 full level
G04B 17/06 (2006.01); **G04D 3/00** (2006.01)

CPC (source: EP KR US)
G04B 17/063 (2013.01 - EP KR US); **G04D 3/0038** (2013.01 - EP KR US); **G04D 3/0069** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2009115464A1

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Designated extension state (EPC)
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EP 08153093 A 20080320; CN 200980110011 A 20090313; EP 09721945 A 20090313; EP 12164386 A 20090313; EP 2009053001 W 20090313; HK 11108315 A 20110809; JP 2011500163 A 20090313; JP 2013000879 A 20130108; JP 2013127296 A 20130618; KR 20107020597 A 20090313; RU 2010142923 A 20090313; TW 98109209 A 20090320; US 93353809 A 20090313