

Title (en)

HIGH VALUE STATIC UNBALANCE-TYPE BALANCE SHAFTS

Title (de)

BALANCIERWELLEN VOM STATISCH HOCHGRADIG UNWUCHTEN TYP

Title (fr)

ARBRE D'EQUILIBRAGE STATIQUE SUPERIEUR, DU TYPE BALOURD

Publication

EP 1053407 A1 20001122 (EN)

Application

EP 99905822 A 19990206

Priority

- US 9902601 W 19990206
- US 7512798 P 19980214

Abstract (en)

[origin: WO0012906A1] A balance shaft (190) has a pair of journal members (192, 194), a main balance weight (196) positioned between the journal members (192, 194), and a second overhung balance weight (198) which extends on the other side of the second journal member (194). An I-beam shaped connector member (200) connects the main balance weight (196) to the first journal member (192), while providing bending stiffness in the region of the balance weight (196). A second I-beam shaped structural member (210) connects the second balance weight (198) to the second journal member (194) with high stiffness.

IPC 1-7

F16C 3/20; F02B 75/06

IPC 8 full level

F16F 15/26 (2006.01)

CPC (source: EP)

F16F 15/264 (2013.01)

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 0012906 A1 20000309; **WO 0012906 A8 20010208**; AU 2589799 A 20000321; EP 1053407 A1 20001122; EP 1053407 A4 20030910

DOCDB simple family (application)

US 9902601 W 19990206; AU 2589799 A 19990206; EP 99905822 A 19990206