

Title (en)  
BALL MILL WITH AN ADJUSTABLE COMPENSATING MASS

Title (de)  
KUGELMÜHLE MIT VERSTELLBARER AUSGLEICHSMASSE

Title (fr)  
BROYEUR A BILLES DOTE D'UNE MASSE D'EQUILIBRAGE AJUSTABLE

Publication  
**EP 1981639 B1 20100106 (DE)**

Application  
**EP 06792377 A 20061005**

Priority

- EP 2006009628 W 20061005
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Abstract (en)  
[origin: WO2007090440A1] Ball mill, in particular a laboratory-scale planetary or centrifugal ball mill, comprising a housing, a carrier device (2) which is mounted such that it can rotate relative to the housing about a centre axis, at least one milling station (3) with a holding device (34) for at least one milling vessel, which holding device is mounted such that it can be rotated about a holding pivot with respect to the carrier device (2) and is carried along by the latter about the centre axis (64), and with at least one milling vessel which can be filled with material to be milled and with milling balls and which can be inserted into the holding device, a drive for the carrier device (2), a drive for the holding device (34), an adjustable compensating mass (42) in order to form a counter moment of inertia for the milling station or the milling stations (3), an adjustment means (74, 75) for adjusting the compensating mass (42) in order to modify the counter moment of inertia in a tailored manner to the moment of inertia of the milling station or the milling stations (3), and a drive (64, 65, 66, 71, 72), which can be controlled from outside the carrier device, for the adjustment means (74, 75) in order to adjust the compensating mass (42) during the rotation of the carrier device (2).

IPC 8 full level  
**B02C 17/08** (2006.01)

CPC (source: EP)  
**B02C 17/08** (2013.01); **B02C 17/24** (2013.01)

Cited by  
DE102012009983A1; DE102012007530B4; DE102012009985A1; DE102012009984A1; DE102012009982A1; DE102012007530A1;  
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