

Title (en)  
PLANETARY BALL MILL

Title (de)  
PLANETENMÜHLE

Title (fr)  
BROYEUR PLANÉTAIRE

Publication  
**EP 4380730 A1 20240612 (DE)**

Application  
**EP 22758483 A 20220729**

Priority  
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• EP 2022071365 W 20220729

Abstract (en)  
[origin: WO2023012062A1] The invention relates to a planetary ball mill (10) for comminuting material to be ground, having the following: a sun axis (S); and a support device (22) which is mounted rotatably about the sun axis; and a drive for rotating the support device about the sun axis at a sun rotational speed (US); a first planetary axis of rotation (P1); and a first planetary grinding station (24) having a first grinding vessel receiving device (26) for at least one grinding vessel (90) which can be filled with material to be ground and grinding bodies, wherein the first grinding vessel receiving device having the grinding vessel is mounted on the support device so as to be rotatable eccentrically with respect to the sun axis about the first planetary axis of rotation and is carried along on a planetary track (54) about the sun axis by the support device when the support device rotates about the sun axis; a drive for rotating the first grinding vessel receiving device having the grinding vessel about the first planetary axis of rotation at a first planetary rotational speed (UP1), wherein, during operation, the first planetary grinding station, together with the first grinding vessel receiving device and the grinding vessel, revolves on the planetary track about the sun axis and the first grinding vessel receiving device having the grinding vessel simultaneously rotates about the first planetary axis of rotation, wherein the first planetary axis of rotation (P1) extends, at least temporarily, in a manner skewed with respect to the sun axis (S).

IPC 8 full level  
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