

Title (en)
APPARATUS FOR MANUFACTURING A FACE GEAR

Title (de)
VORRICHTUNG ZUR HERSTELLUNG EINES PLANRADS

Title (fr)
APPAREIL DE FABRICATION DE ROUE DE CHAMP

Publication
EP 1843870 A1 20071017 (EN)

Application
EP 05718384 A 20050203

Priority
IB 2005000913 W 20050203

Abstract (en)
[origin: WO2006082470A1] A precision grinding apparatus for grinding face gears having a gear table portion controllably driven for rotation about a central axis, and also being movable in a vertical plane along an axis in a controlled manner. The apparatus further includes a case hardened face mounted on the gear table portion. A grinding wheel mounted on the apparatus has controlled driven rotation about a central axis C, and is provided with a grinding surface of predetermined shape. The grinding wheel is movable in a controlled manner toward and away from the gear along a feed axis V, the grinding wheel being movable in a controlled manner in a tangential direction with respect to the gear and orthogonal to the feed axis along a tangential feed axis wherein the motion of the grinding wheel in the C, V and TF axes, and movement of the gear in B and W axes, is controlled by a central control means.

IPC 8 full level
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