

Title (en)

Method and device for producing gear plates for a continuously variable gearbox

Title (de)

Verfahren und Vorrichtung zur Herstellung von Getriebescheiben eines stufenlos verstellbaren Getriebes

Title (fr)

Procède et dispositif de production de poulies de transmission pour transmission variable en continu

Publication

**EP 1372906 A2 20040102 (DE)**

Application

**EP 02737913 A 20020403**

Priority

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Abstract (en)

[origin: WO02081147A2] The invention relates to a method for producing gear plates for a continuously variable gearbox wherein at least two gear plates with the transmission surfaces thereof are arranged in an opposite manner. When the gearbox is in operation, said transmission surfaces come into contact in a non-positive mode with a power transmission element, on a device comprising at least one workpiece spindle and a grinding disc which is driven by a grinding spindle in order to grind the transmission surface of at least one gear plate. During the grinding of the transmission surface, a repeated relative oscillating movement is carried out radially in relation to the workpiece spindle, between the grinding disc and the gear plate, in such a way that the grinding region of the grinding disc is moved back and forth between an inner radius and an outer radius of the transmission surface. The gear plate is rotated by means of the workpiece spindle in such a way that the entire transmission surface is ground.

[origin: WO02081147A2] The invention relates to a method for producing gear plates (1) for a continuously variable gearbox wherein at least two gear plates (1) with the transmission surfaces (2) thereof are arranged in an opposite manner. When the gearbox is in operation, said transmission surfaces come into contact in a non-positive mode with a power transmission element, on a device comprising at least one workpiece spindle (3) and a grinding disc (4) which is driven by a grinding spindle (5) in order to grind the transmission surface (2) of at least one gear plate (1). During the grinding of the transmission surface (2), a repeated relative oscillating movement is carried out radially in relation to the workpiece spindle (3), between the grinding disc (4) and the gear plate (1), in such a way that the grinding region of the grinding disc (4) is moved back and forth between an inner radius (2.1) and an outer radius (2.2) of the transmission surface (2). The gear plate (1) is rotated by means of the workpiece spindle (3) in such a way that the entire transmission surface (2) is ground.

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CPC (source: EP KR US)

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