

Title (en)  
CYLINDER FOR SHAPING FLAT MATERIAL

Title (de)  
ZYLINDER FÜR DIE BEARBEITUNG VON FLACHMATERIAL

Title (fr)  
CYLINDRE POUR FAÇONNER DES MATERIAUX PLATS

Publication  
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Application  
**EP 05743088 A 20050413**

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Abstract (en)  
[origin: WO2005102890A2] The invention relates to a cylinder for shaping flat material, said cylinder comprising a cylindrical body that can be rotated about a cylinder axis, and at least one group of a plurality of tools homogeneously distributed around the periphery of the cylindrical body, said tools being able to perform a working movement in relation to the cylindrical body and being respectively coupled to a control device for driving the working movement. Said cylinder also comprises a fixed cam plate traced by the control device of each tool, and a rotatable cover disk traced by the control device of each tool and coupled to the rotation of the cylindrical body. The cam plate comprises a peripheral section which controls the working movement in co-operation with the control device, said section representing a maximum of 1/n of the entire periphery of the cam plate, when n is a whole number equal to, or larger than, 2, in addition to a section that does not control the working movement and represents the remainder of the entire periphery of the cam. The cover disk comprises a first group of sectors of different radii, which are passed by the control device and the section of the cam plate controlling the working movement, during the successive rotations of the cylindrical body. At least one of said sectors has a first radius that enables the co-operation between the control device and the section for controlling the working movement, and at least one other of said sectors has a second radius that blocks the co-operation between the control device and the section for controlling the working movement. At least one second group of sectors is provided, said sectors being arranged between two sectors of the first group of sectors, the order of the radii of the sectors in the sector groups being different.

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