

Title (en)
AN APPARATUS FOR PERFORMING GRINDING OPERATIONS

Title (de)
EIN GERÄT ZUR DURCHFÜHRUNG VON SCHLEIFARBEITEN

Title (fr)
UN APPAREIL POUR EFFECTUER DES OPÉRATIONS DE RECTIFICATION

Publication
EP 4159369 A1 20230405 (EN)

Application
EP 22198937 A 20220930

Priority
IT 202100025271 A 20211001

Abstract (en)
An apparatus (1) for performing grinding operations on a component (CP) comprises: a base (2), configured to rest on a supporting surface on which the apparatus (1) is positioned; a part-holder spindle (3), configured to rotate about a longitudinal axis (A) and including a gripping element, to hold the component in place; a tailstock (4), aligned with the part-holder spindle (3) along the longitudinal axis (A) and movable towards and away from the spindle (3) for keeping the component, in use, between the part-holder spindle (3) and the tailstock (4) along the longitudinal axis (A); an operating unit (5), movable along an operating direction, parallel to the longitudinal axis (A), and along a transversal direction (T), perpendicular to the longitudinal axis (A). The operating unit (5) includes a first group of tools (51), configured to perform mechanical operations on the component. The longitudinal axis (A) is inclined, relative to a vertical axis (V) parallel to the direction of the weight force, by an angle of inclination (AC) of less than 90°.

IPC 8 full level
B24B 5/02 (2006.01); **B24B 5/42** (2006.01); **B24B 41/00** (2006.01); **B24B 41/02** (2006.01); **B24B 41/04** (2006.01)

CPC (source: EP)
B24B 5/02 (2013.01); **B24B 5/42** (2013.01); **B24B 41/007** (2013.01); **B24B 41/02** (2013.01); **B24B 41/04** (2013.01)

Citation (applicant)
US 2013029567 A1 20130131 - HESSBRUEGGEN NORBERT [DE]

Citation (search report)
• [I] US 2013029567 A1 20130131 - HESSBRUEGGEN NORBERT [DE]
• [X] DE 3042925 A1 19810619 - BOLLI W R WERKZEUGBAU [CH]

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