

Title (en)
WORKPIECE GRINDING APPARATUS.

Title (de)
WERKSTÜCKSCHLEIFVORRICHTUNG.

Title (fr)
APPAREIL DE MEULAGE DE PIÈCES À USINER.

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Application
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Abstract (en)
[origin: WO9414571A1] Method and apparatus for workpiece grinding comprising rough grinding using an abrasive wheel and finish grinding by means of an abrasive belt wherein the workpiece remains within the grinding station throughout the grinding process. The apparatus consists of a grinding wheel (10) and an abrasive belt (26) whereby the wheel and belt are movable towards and away from the workpiece so as to allow for rough and finish grinding without removal of the workpiece. In an alternative embodiment a grinding wheel (50) is mounted on a wheelhead (92) together with a belt grinding facility and rotation of the wheelhead (92) about an axis (108) causes the grinding belt (72) or the wheelhead (50) to be presented to the workpiece. Another embodiment allows for a grinding belt and wheel to be adjacent, alternative wheel and belt operation being achieved by use of a supporting arm (116) which alters the belt position. A final embodiment allows for a belt (120) and wheel (122) on separate supports (124 and 126), on opposite sides of the workpiece and independently movable from opposite sides thereof into contact with the workpiece.

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