

Title (en)

TRANSPORTABLE DEVICE FOR GRINDING MOTOR VEHICLE CYLINDER HEADS.

Title (de)

TRANSPORTABLE VORRICHTUNG ZUM SCHLEIFEN VON KRAFTFAHRZEUGZYLINDERKÖPFEN.

Title (fr)

DISPOSITIF TRANSPORTABLE POUR RECTIFIER LES CULASSES DE MOTEURS.

Publication

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Application

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Priority

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- FR 9306542 A 19930525

Abstract (en)

[origin: WO9427779A2] Transportable device for grinding petrol or Diesel engine cylinder heads. The invention also concerns a transportable device for grinding (surfacing) petrol or Diesel cylinder heads when the engine has been removed. Figure 1 illustrates the device consisting of a tool holder plate (1) placed in the middle of two blocks (2), the blocks themselves being placed along the length of the cylinder head. A clamping arm system (3) is placed on the cylinder head lateral ports and is fastened thereto by bolts. The blocks are then removed, the device's position on the cylinder head is verified by means of comparators (4) and adjusted a last time according to the adjustments made to the clamping arm system (3). The cylinder head grinding tool (5) is then mounted onto the tool holder plate (1). A system for longitudinal, transversal and vertical feed of the manual or motorized tool-carrying system, in conjunction with the motorized rotation of the tool holder plate with its tool, performs grinding of the cylinder head. When the device is not positioned on the cylinder head, feet adjustable in length (6) ensure that the device does not rest on the tool holder. The device according to the invention is especially intended for garages, automobile, tractor and boat repair workshops and indeed for all precision mechanical workshops where Diesel or petrol engine cylinder head grinding is to be performed.

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