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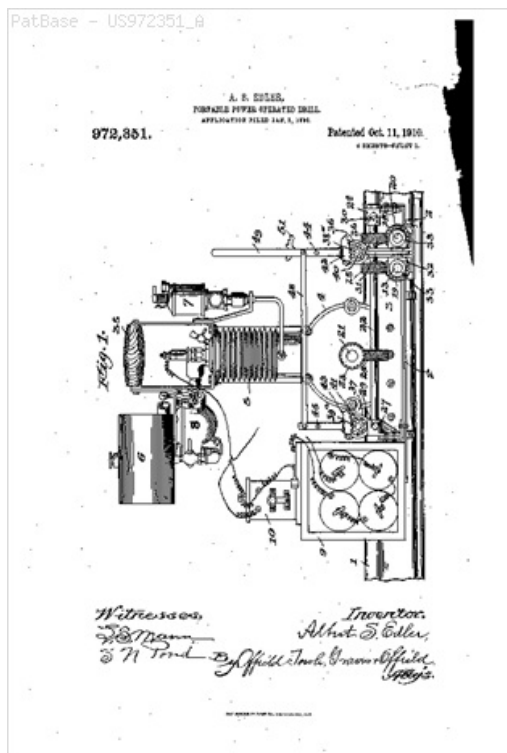
Search 1: STAC=(boring) and CPC=(B21D39/08 or B23B41/12 or B23Q3/00) (Results 288)

Search 2: orthogonal and 1 (Results 1)

Search 3: STAC=(portable) and CPC=(B21D39/08 or B23B41/12 or B23Q3/00) (Results 26)

Classifications:

CPC: Y10T408/56253 Y10T408/5627 B23B41/12



Family:

Publication number	Publication date	Application number	Application date
US972351 A	19101011	US19100536204	19100103

Priority:

US19100536204 19100103

Probable Assignee:

EDLER ALBERT S

Assignee(s): (std):

EDLER ALBERT S

Assignee(s):

ALBERT S EDLER

Inventor(s): (std):

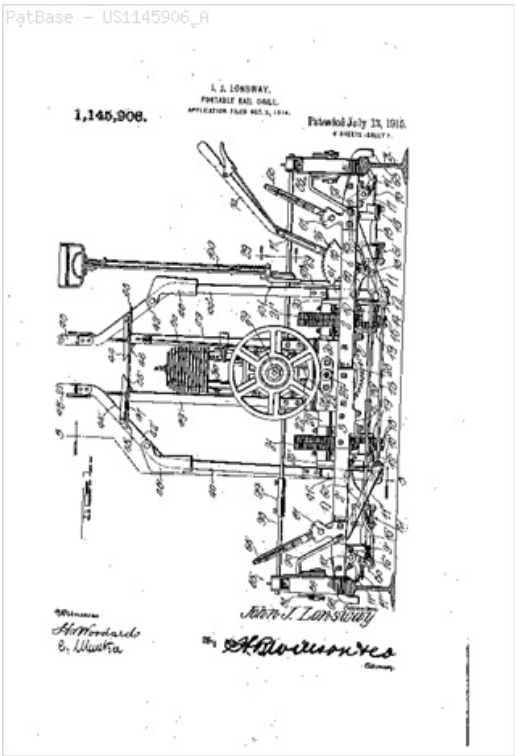
EDLER ALBERT S

Inventor(s):

ALBERT S EDLER

Title: **PORTABLE** RAIL-DRILL.

Classifications:
International (IPC 1-7): B23B45/08
CPC: Y10T408/375 Y10T408/3806 Y10T408/55 Y10T408/556 B23B41/12
US: 408/36 408/43 408/72.00R 408/72R 408/77



Family:

Publication number	Publication date	Application number	Application date
US1145906 A	19150713	US19140865178	19141005

Priority:
US19140865178 19141005

Probable Assignee: LONSWAY JOHN J
Assignee(s): (std): LONSWAY JOHN J
Assignee(s): JOHN J LONSWAY
Inventor(s): (std): LONSWAY JOHN J
Inventor(s): JOHN J LONSWAY

Title: LOADING DEVICE FOR WORK HOLDERS

Abstract: Source: US1778601A 1. A device for facilitating the loading of work holders for machine tools comprising, in combination, a base, means on said base for positioning the work holder, a plurality of upstanding standards on said base, a pair of aligned members reciprocally mounted in said standards, centering devices provided on adjacent ends of said members and adapted to engage the work holder- and the Work therein to center the latter when the work holder is mounted in position, and means for reciprocating said members.

Classifications:

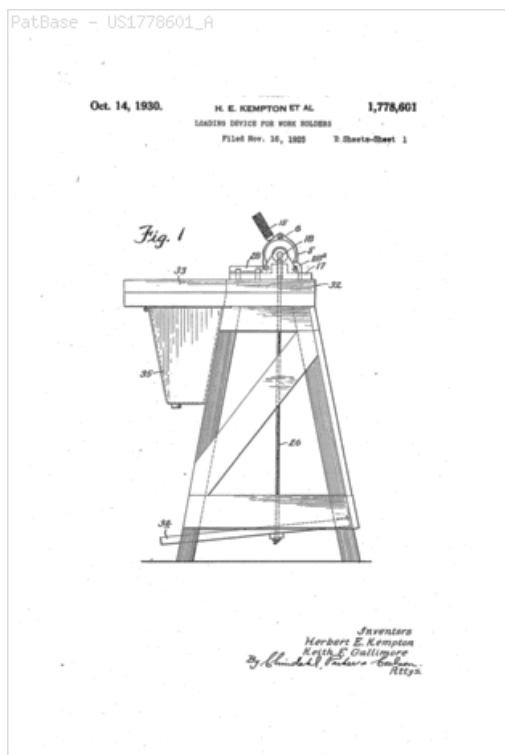
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B23Q3/00 (Core/Invention)

International (IPC 1-7): B23Q3/02

CPC: B23Q3/00 B23Q2703/00 Y10T82/2514 Y10T279/35

European: B23Q3/00 L23Q703/00

US: 279/158 82/124



Family:

Publication number	Publication date	Application number	Application date
US1778601 A	19301014	US19250069361	19251116

Priority:

US19250069361 19251116

Probable Assignee: HEALD MACHINE CO

Assignee(s): (std): HEALD MACHINE CO

Assignee(s): THE HEALD MACHINE COMPANY

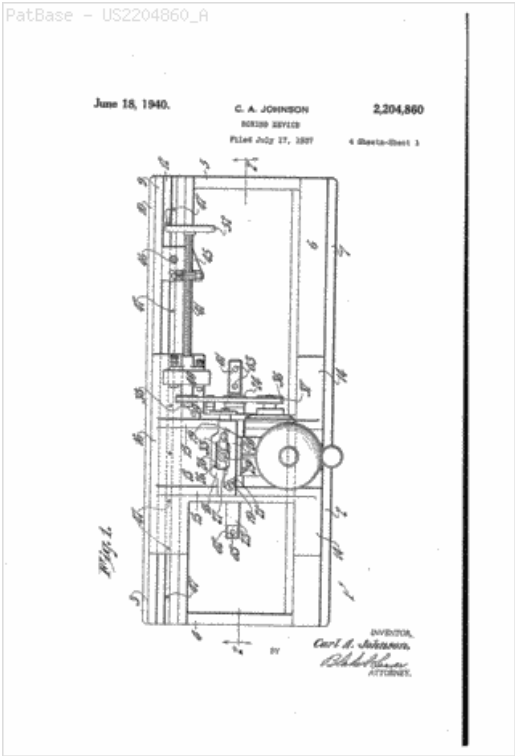
Inventor(s): (std): GALLIMORE KEITH F ; KEMPTON HERBERT E

Title: BORING DEVICE

Abstract: Source: US2204860A 1. A **portable** overhead cambearing line boring tool for reboring the camshaft bearing surfaces in cylinder heads that have cast-in overhead camshaft bearings and can1»oil-seal and/or oil-plugs at both ends of said cylinder head comprising: a. an elongated cutting bar formed with a plurality of longitudinally spaced cutting tool bores transverse to the longitudinal axis of said elongated cutting bar and a plurality of threaded bores angular intersecting each of said cutting tool bores; b, a plurality of cutting tools respectively removably mounted in each of said cutting tool bores; c. set screw means mounted in each of said threaded bore and releasably holding said cutting tools in selected positions radial to said cutting bar; d. a pair of end mounting means adapted for releasably mounting on said ends of said cylinder head and each end mounting means including a locator built-in-bushing having an internal opening dimensioned for rotatably and slidably receiving said cutting bar in close fitting relation and each locator built-in bushing having an outside cylindrical surface adapted for close machine tit with one of said end cam-oil-seal and/or oil-plugs formed in said cylinder head ends for precisely aligning said cutting bar; e. feed means mounted on one of said pairs of end mounting means and removably connected to said bar for advancing said bar longitudinally with respect to said cylinder head upon rotation of said bar; and f. means releasably connected to said bar for rotating said bar.

Classifications:

International (IPC 8-9): B23B41/12 (Advanced/Invention);
B23B41/00 (Core/Invention)
International (IPC 1-7): B23B41/12
CPC: Y10S408/708 B23B41/12 Y10T408/5612 Y10T408/67
European: B23B41/12
US: 408/128 408/708 408/88



Family:

Publication number	Publication date	Application number	Application date
US2204860 A	19400618	US19370154288	19370717

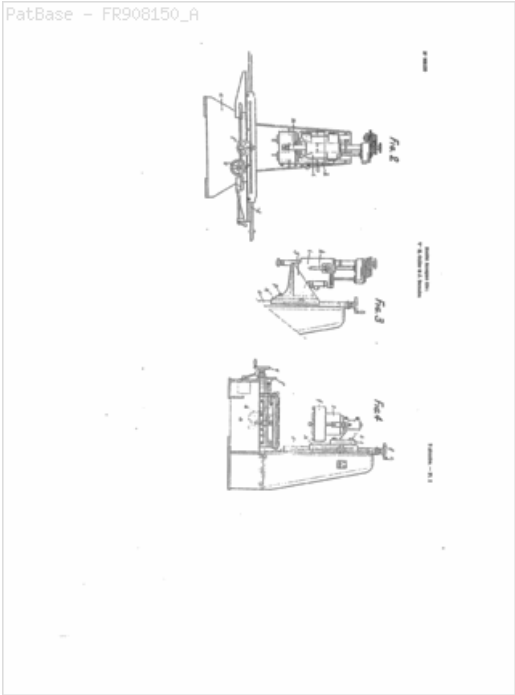
Priority:

US19370154288 19370717

Probable Assignee: JOHNSON CARL A
Assignee(s): (std): JOHNSON CARL A
Inventor(s): (std): JOHNSON CARL A

Title: DISPOSITIF PERMETTANT DE TRANSFORMER EN MACHINES-OUTILS FIXES LES GROUPES REALESEURS PORTATIFS
DEVICE FOR CONVERTING MACHINE TOOLS IN FIXED GROUPS REALESEURS **PORTABLE** (Machine translation)

Classifications:
International (IPC 8-9): B23B41/12 (Advanced/Invention);
B23B41/00 (Core/Invention)
International (IPC 1-7): B23B39/16
CPC: B23B41/12
European: B23B41/12



Family:

Publication number	Publication date	Application number	Application date
FR908150 A	19460401		19440607

Probable Assignee: VVE H CULLIER AND J BERNADOU
Assignee(s): (std): VVE H CULLIER AND J BERNADOU

Title: TUBE EXPANDING TOOL

Abstract: Source: US2654414A (Claim 1) 1. Fig. 9 is a sectional view illustrating a typical connection made with tubing, the end of one of which of said pieces has been provided with a sleeve forced by my tool.

Classifications:

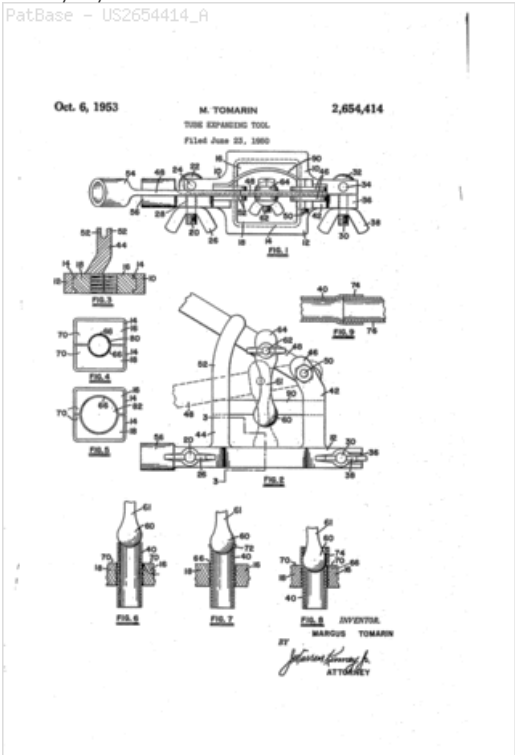
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B21D39/08 (Core/Invention)

International (IPC 1-7): B21D41/02

CPC: B21D39/08

European: B21D39/08

US: 72/318



Family:

Publication number	Publication date	Application number	Application date
US2654414 A	19531006	US19500169908	19500623

Priority:

US19500169908 19500623

Probable Assignee:

MARCUS TOMARIN

Assignee(s): (std):

MARCUS TOMARIN

Inventor(s): (std):

MARCUS TOMARIN

Inventor(s):

TOMARIN MARCUS

Title: **PORTABLE** LINE BORING BAR ASSEMBLY

Abstract: Source: US3751175A A **portable** line boring bar assembly for in-line boring the main bearing bores of an engine block for re-establishing their precise concentricity and axial alignment longitudinally of such a block providing an elongated boring bar for extension longitudinally through the bores of the block having centering means slidably mounted on the bar for temporary wedging engagement in selected bores of the block precisely to center the bar relative to the bores with bar support means releasably mounted on the block in spaced relation to the bores to hold the bar in said centered position during powered rotation and axial feeding movement of the bar in the block and including pre-set bore cutting means adapted to be releasably mounted in any desired location along the boring bar adjacent to said bores in the block. The assembly is readily **portable** and suitable for "in the field" utilization.

Classifications:

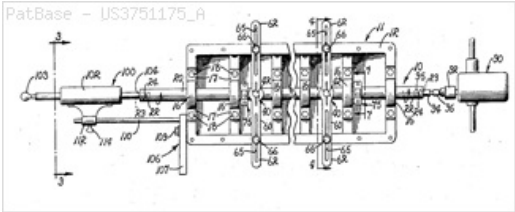
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B23B41/00 (Core/Invention)

International (IPC 1-7): B23B39/16 B23B41/12

CPC: Y10T408/55 Y10T408/558 B23B41/12

European: B23B41/12

US: 408/7.2 408/72.00R 408/72R 408/80



Family:

Publication number	Publication date	Application number	Application date
DE2155302 A1	19720510	DE19712155302	19711103
US3751175 A	19730807	US19700087178	19701105

Priority:

US19700087178 19701105

Probable Assignee:

Assignee(s): (std):

Assignee(s):

Inventor(s): (std):

Inventor(s):

PORTA TOOL INC
PORTA TOOL INC
PORTA TOOL INC US
BROOKS D
BROOKS D US

Title: **PORTABLE** TUBE EXPANDER

Abstract: Source: US3789648A A **portable** device for expanding tubes. In one embodiment, a pair of movable jaws are pivotally mounted to a block and are spring biased together so as to engage the periphery of the tubes to be expanded. A pair of pistons with rods are slidable within hollow cylinders attached to the block. Each piston rod has a ball-shaped end which is positioned between the movable jaws in the retracted position with each end extendable therefrom into the tubes. A pair of shafts extend sealingly into the pair of hollow cylinders. By moving the shafts further into the hollow cylinders the length of travel of each piston is decreased. The pistons and headed ends are movable in unison together by the application of hydraulic pressure on either side of the pistons. In the preferred embodiment, the rods used to expand the tubes are driven by wheels with aligned peripheral grooves which engage the outer surfaces of the rods. In one version, a pair of wheels are coupled by gears to a hydraulic motor whereas in another version two pairs of wheels are coupled by a gear and chain combination to a hydraulic motor. In the preferred embodiment, the rods extend through a housing in which the wheels are rotatably mounted with the length of travel controlled by stop blocks mounted to the rods which contact the housing when the rods are extended the desired length.

Classifications:

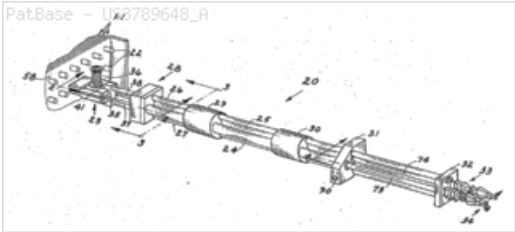
International (IPC 8-9): B21D39/08 B21D39/20 (Advanced/Invention);
B21D39/08 (Core/Invention)

International (IPC 1-7): B21D41/02 B21D53/00

CPC: B21D39/08 B21D39/20 Y10T29/53122

European: B21D39/08 B21D39/20

US: 29/727 72/31.6 72/316 72/457



Family:

Publication number	Publication date	Application number	Application date
US3789648 A	19740205	US19720318927	19721227

Priority:

US19710179060 19710909 US19720318927 19721227

Probable Assignee: TRIDAN TOOL AND MACHINE

Assignee(s): (std): TRIDAN TOOL AND MACHINE

Assignee(s): TRIDAN TOOL AND MACHINE INC US

Inventor(s): (std): AMES W

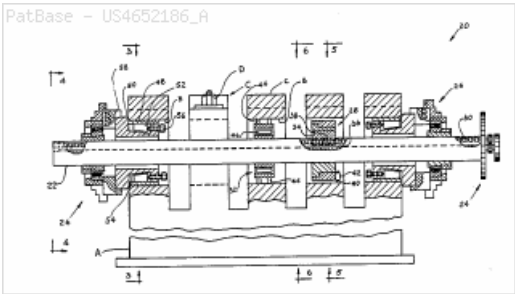
Inventor(s): AMES W US

Title: **PORTABLE** BORING MACHINE

Abstract: Source: US4652186A A **portable** boring machine for boring bearing housings in situ includes a pair of spaced apart mounting members for adjustably positioning a boring bar within a row of bearing housings. The spaced apart mounting members are removably positionable on the boring bar and permit rotation of the boring bar with respect to the housings. The mounting members include radially adjustable jaws which enable the space between the boring bar and an adjacent bearing housing to be adjusted by the user in order to adjust the position of the boring bar within the housing and to vary the inclination of the boring bar with respect to the row of housings to be reconditioned. In this way the user has complete control between the relative positions of the boring bar and the bedplate. Moreover, since the support members are removably positionable on the boring bar they may be adjusted in position with respect to the particular housing to be bored. A boring head, concentrically mounted about the boring bar, is rotated about the housings as the boring bar is rotated and is translated along the length of the boring bar by way of a rotatable screw mechanism contained within the boring bar. The boring head is secured about the boring bar by a split ring whose free ends may be fastened by a threaded fastener. The boring bar may be supported intermediately by an intermediate support that includes a plurality of radially outwardly extending, adjustable fingers. The boring bar and its screw may be rotated at different rates through a single motor and a geared planetary drive mechanism.

Classifications:

International (IPC 8-9): B23B41/12 (Advanced/Invention);
B23B41/00 (Core/Invention)
International (IPC 1-7): B23B41/12
CPC: Y10S408/708 B23B41/12 Y10T408/39 Y10T408/557
Y10T408/5583 Y10T408/68
European: B23B41/12
US: 408/138 408/54 408/708 408/79 408/81



Family:

Publication number	Publication date	Application number	Application date
US4652186 A	19870324	US19840671636	19841115

Priority:

US19840671636 19841115

Probable Assignee:

SVERDLIN ANATOLY

Assignee(s): (std):

SVERDLIN ANATOLY

Inventor(s): (std):

SVERDLIN ANATOLY

Title: OVERHEAD CAMBEARING LINE BORING TOOL

Abstract: Source: US4730958A A **portable** cambearing line boring tool for an internal combustion engine with an aluminum head or a cast iron block with aluminum caps and an overhead camshaft with non-replaceable bearings that are cast in as an integral part of the cylinder head which utilizes a cutting bar formed with blind openings for receiving spring loaded cutters. Centering of the cutting bar is by the use of locating bushings selected to fit a plurality of different cam-oil-seal and/or oil-plug openings at either end of the cylinder head. The bushings remain in place during the line boring. Horizontal alignment is by alignment ears secured to the upper valve cover gasket surface. For long heads a center bar support is provided. Rotation of the bar is by a **portable** hand held drill.

Classifications:

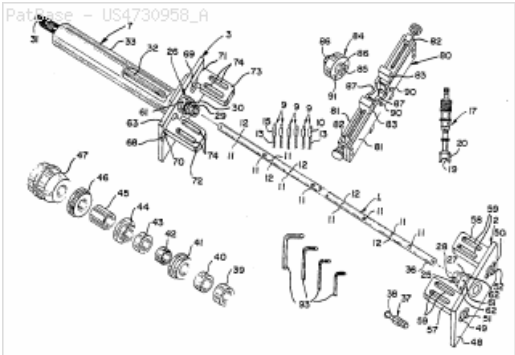
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B23B41/00 (Core/Invention)

International (IPC 1-7): B23B41/12

CPC: Y10S408/708 B23B41/12 Y10T408/39 Y10T408/553
Y10T408/57

European: B23B41/12

US: 408/116 408/54 408/708 408/75



Family:

Publication number	Publication date	Application number	Application date
US4730958 A	19880315	US19850787670	19851015

Priority:

US19850787670 19851015

Probable Assignee: BANOCZKY BELA
Assignee(s): (std): BANOCZKY BELA
Assignee(s): BELBAN MFG ; BELBAN MFG INC A OF CA CORP
Inventor(s): (std): BANOCZKY BELA