

Discription of the invention

Title The joint for supplying water which use for jointing to an electrically or pneumatically polishing apparatus

Field of the invention

This invention related to engineering, more particulary, the invention related to the joint for supplying water which use for jointing to an electrically or pneumatically polishing apparatus

Background of the invention

The conventional stone polishing apparatus having any element was assembled into an integrated apparatus. It is very difficult to separate and repair when that apparatus is out of order when use that apparatus to polishing a stone, during the operating time generate the heating and dust due to grinding between a polishing plate and workpiece, therefore operator must to stop the operating for a moment. and then start to operate again after the temperature of a polishing plate and workpiece are lower. That is a problem for the discontinuous operation and resulting in an inefficient working.

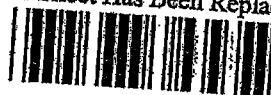
An another problem of the conventional stone polishing apparatus is dust which caused and spread during the operating and resulting in a bad health of an operator.

The conventional stone polishing apparatus was imported from foreign country which is very expensive and in consequence to the cost of polished workpiece. That is another problem of that apparatus

Purpose of the invention

This present invention related to the joint for supplying water which use for jointing to an electrically or pneumatically polishing apparatus. The apparatus is rotated for polishing or cutting the marble, granite or the other natural stone into a desired shape or glossy. The apparatus use by handling.

This Sheet Has Been Replaced



The objects of this invention is the joint for solve a problem which cause from polishing, wherein the conventional apparatus can not overcome. The joint of this invention intend for supplying water wherein conveying water from a small duct to a polishing plate and workpiece for reducing the heat and dust occured due to grinding during the operating thereby the operator can continuously operate hiswork.

It is other objects of this invention to provide any elements which can be seperated each other whereby the joint of this invention can connect with the rotated polishing apparatus. The joint is assembled with a polishing plate via fixing to a rotated shaft. A rotated shaft is covered by a main casting in a periphery. A main casing provide a channel for conveying water to a polishing plate and workpiece.

The further advantage of this joint can be produced in a low cost and provide a simply joint which can repair when the apparatus is out of order

Brief description of the drawings

Figure 1; is a partially cut away perspective view of the joint for supplying water which use for jointing to an electrically or pneumatically polishing apparatus.

Figure 2; is a partially perspective view of the other outer screw coupling which use for coupling with the polishing apparatus.

Figure 3; is a partially cut away perspective of coupled joint which assembled from figure 1 and figure 2 to be a completely joint.

Detailed description of the invention

The electrically or pneumatically polishing apparatus is used for polishing or cutting the marble, granite or the other natural stone into a desired shape or glossy by rotating with handling. The joint is connected between a polished plate and an electrically generator (not shown)

Figure 1; The joint (1) which use for connecting to the stone polishing apparatus, any element of the joint (1) can be seperated whereby the cylindrical main casting (6) cover on the periphery. Inside of the main casting (6) provide a rotated shaft (5) in a longitude distance which is rotated during

the joint was connected to electrically generator (not shown) At the end of a rotated shaft (5) is an outer screw coupling (3) for fixing to a coupling head of a polished plate (not shown) At the terminal of a rotated shaft (5) next to an outer screw coupling (3) including a hole screw (2) for supplying water to a polishing plate and workpiece. At the longitude distance of a rotated shaft (5) provide a channel (4) for conveying water into a hole screw (2) before further supplying to a polishing plate and workpiece. At the lower side of the main casting (6) was penetrated into a hole through out a channel (4) which extend in the longitude distance of a rotated shaft (5). Whereby a hole to be penetrated at the lower side of a main casting (6) having an inner screw coupling (9) for connecting to the reservoir via a small duct (7) for conveying water into a channel (4)

At the opposite side of the joint (1) having an inner screw coupling (8) for connecting with an other electrically generator (not shown) such as an electrically motor

A rotated shaft (5) is supported with the main casting (6) by a ball bearing (10) which support a rotated shaft (5) to be rotated and supporting for grinding. Instead of a ball bearing (10) may use an other element. At the periphery of a rotated shaft (5) having a rubber seal (11) which use to be sealed for preventing water inside a channel (4) from leakage, including a ring (12) for locking a rubber seal (11) and a ball bearing (10) to be prevent from removing.

Figure 2 is an other outer screw coupling (14) at the side of the joint (1) connected with an electrically generator (not shown). Wherein an outer screw coupling (14) was fixed with the joint (1) by an any screw and hole (13). The joint (1) is stable and can not remove. An outer screw coupling (14) use for fixing with the apparatus and preventing from removing.

Figure 3; shown assembling any element into an integrated apparatus from figure 1 and figure 2 wherein completely to use. The joint (1) was fixed with an outer screw coupling (14) and in this side was connected to an electrically generator (not shown). The apparatus can operate after supplying of current without removing of the joint (1)

The principle of this invention is the conveying water from reservoir into a channel (4) in the longitude distance of a rotated shaft (5) through out a hole screw (2). A hole screw (2) supply water to a polished plate and workpiece for reducing the heat and dust during the operation. Resulting in an efficiently working.

Although only an exemplary embodiment and element of this invention have been described in detail above, those skilled in the art will readily appreciate that many modifications are possible in the exemplary embodiment and element without materially departing from the scope of this invention.

The best means of the invention

According to said above in the detailed description of the invention.

claim



1. The joint for supplying water which use for jointing to an electrically or pneumatically polishing apparatus comprising of :

a main casting wherein having a rotated shaft provide inside of a main casting; whereby in the longitude distance of a rotated shaft provide a channel for conveying water into a polishing plate and workpiece.

at the lower side of a main casting having a hole through out a channel. Whereby a hole at the lower side was connected to the reservoir for conveying water into a channel in the longitude distance of a rotated shaft and further supplying to a polishing plate and workpiece.

at the opposite side of the joint was fixed to an other outer screw coupling via any screw and hole.

2. The joint according to claim 1, wherein at the terminal of a rotated shaft having a hole screw for supplying water to a polishing plate and workpiece.

3. The joint according to claim 1, wherein a channel for conveying water was seperately connected to reservoir.

4. The joint according to claim 1, wherein at the end of a rotated shafe having an outer screw coupling for fixing to a polishing plate.