

Metalsky et al.

[45] Apr. 1, 1975

[54] CONTROL OPERATOR

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[57] ABSTRACT

[21] Appl. No.: 463,433

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[51] Int. Cl. F27b 9/04

[58] Field of Search 432/203, 205, 266; 13/31

[56] References Cited

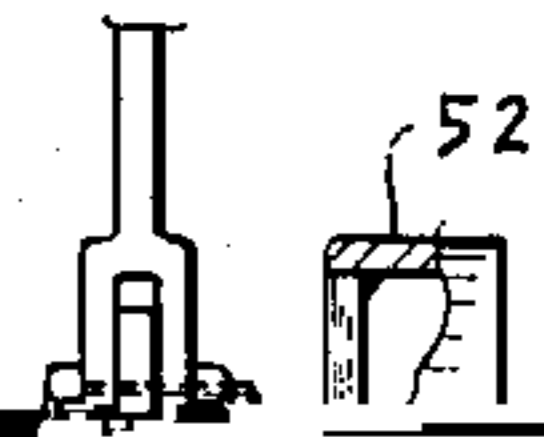
UNITED STATES PATENTS

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useful for actuation by advancing work pieces in the interior of a high temperature vacuum furnace, the operator having a portion extending through the furnace wall for actuating an externally disposed control device, such as an electrical circuit control switch or a fluid valve, the operator being replaceable as a unit, having provisions for sealing against pressure or vacuum leakage and for effectively reducing heat conductivity from the interior to the exterior.

10 Claims, 4 Drawing Figures

→ 2



PATENTED APR 1 1975

3,874,845

SHEET 1 OF 2



PATENTED APR 1 1975

3,874,845

SHEET 2 OF 2

64

62, 65

[REDACTED]

[REDACTED]

[REDACTED]

REFERENCE TO RELATED APPLICATION

The present invention is useful in connection with 5
but is not limited for use with a vacuum furnace dis-

readily applied and replaced if desired.

It is a further object of the invention to provide a con-
trol operator which is sealed against vacuum leakage
and which functions at high temperature differentials.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

The shaft 35 has a portion 35a of reduced diameter extending through the plate 30 with spaced grooves 40

their respective alternate engagement with the spring ends 75a of the spring 75.

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CERTIFICATE OF CORRECTION

