

Title (en)  
EJECTOR APPARATUS OF FLUIDIZED BED HEAT-TREATING FURNACE

Publication  
**EP 0313669 A4 19900905 (EN)**

Application  
**EP 88904262 A 19880512**

Priority  
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Abstract (en)  
[origin: WO8808884A1] This invention relates to an ejector apparatus of a fluidized bed heat-treating furnace for performing heat-treatment of a work A put into a fluidized bed (2) by circulating an exhaust gas at the upper layer portion of a retort (1) driven by a compressed gas and enclosing therein the fluidized bed (2) from the bottom of the retort (1) to its inside so as to cause fluidization of the fluidized bed (2). The main body (5a) of an ejector (5) consists of at least three members (7, 8, 9), and at least two systems of compressed gases are supplied to contracting portions (8d, 9d) from compressed gas inlets (12, 15) defined between the ejector members (7, 8, 9) through gaps formed between the ejector members (7, 8, 9). The gap of each ejector member (7, 8, 9) can be adjusted suitably by adjusting means (F, G). Therefore, the absorption efficiency of the ejector (5) can be freely adjusted over a wide range. Since a center rod of a prior art apparatus does not exist, the ejector (5) has a simple structure as a whole and is moreover compact.

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**C21D 1/53**; **F27B 15/02**

IPC 8 full level  
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Citation (search report)  
• [A] GB 2030689 A 19800410 - ENERGY EQUIP  
• [A] GB 2023268 A 19791228 - WORSLEY & CO LTD G P  
• See references of WO 8808884A1

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