

Title (en)
VACUUM-FORMED ELECTRICAL HEATING UNIT AND METHOD OF MAKING IT

Publication
EP 0105175 B2 19930623 (DE)

Application
EP 83108349 A 19830824

Priority
DE 3233181 A 19820907

Abstract (en)
[origin: US4617450A] A resistance heating coil is placed on a sieve like tray above a suction box, and a slip of ceramic fibers is placed in the suction box, so that a ceramic fiber layer builds up when suction is applied. Portions of the sieve like tray are closed in regions beneath the resistance heating coil by strips in such a manner that the impervious regions of the sieve like tray are narrower than the width dimensions of the heating coil so that the space inside the heating coil remains free of fiber material during the vacuum moulding operation. This allows the heater to be operated at a higher temperature without the risk of crystallization of the fibers.

IPC 1-7
H05B 3/18; **H05B 3/28**; **H05B 3/68**

IPC 8 full level
H05B 3/18 (2006.01); **H05B 3/28** (2006.01); **H05B 3/62** (2006.01); **H05B 3/68** (2006.01)

CPC (source: EP US)
H05B 3/28 (2013.01 - EP US); **H05B 3/283** (2013.01 - EP US); **H05B 3/62** (2013.01 - EP US); **Y10T 29/49083** (2015.01 - EP US); **Y10T 29/49087** (2015.01 - EP US)

Cited by
DE3932854A1; EP0697185A1; EP0364008A3; EP0250231A1; GB2192119A; US4975563A

Designated contracting state (EPC)
AT BE CH FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0105175 A1 19840411; **EP 0105175 B1 19880120**; **EP 0105175 B2 19930623**; AT E32157 T1 19880215; CA 1213635 A 19861104; DE 3233181 A1 19840308; DE 3233181 C2 19850801; JP S5966094 A 19840414; MX 153420 A 19861007; US 4617450 A 19861014

DOCDB simple family (application)
EP 83108349 A 19830824; AT 83108349 T 19830824; CA 434781 A 19830817; DE 3233181 A 19820907; JP 16489783 A 19830907; MX 19788883 A 19830630; US 47772583 A 19830322