

Title (en)

Fabricated hot plate, particularly for corrugated paperboard making

Title (de)

Hergestellte Heissplatte, insbesondere zur Herstellung von Wellpappebögen

Title (fr)

Plaque chauffante, particulièrement pour la fabrication de carton ondulé

Publication

EP 0768170 A1 19970416 (EN)

Application

EP 96116435 A 19961014

Priority

US 54320295 A 19951013

Abstract (en)

A fabricated hot plate assembly, particularly suited for use in a corrugated paperboard double facer utilizes elongate angular steel components (17,18,20,84,51,52,78,80,81), which may be configured from a wide variety of shapes and assembled using molten metal connecting processes, such as welding and brazing, or high strength, temperature resistant adhesives. The connecting process results, in each embodiment, in a hot plate having two heating surfaces and which is invertible to utilize the second heating surface when the first is worn to the point of replacement. Parallel stream transfer channels through the plates in the cross machine direction are formed in the fabrication process and each embodiment of the hot plate may utilize the same steam supply and condensate collecting manifolds (25) and underlying plate supporting system. Each of the plates may be made of relatively thin material making the hot plates thermally responsive to rapid heating and/or cooling. <IMAGE>

IPC 1-7

B31F 1/00; **B31F 1/28**

IPC 8 full level

B31F 1/28 (2006.01)

CPC (source: EP KR)

B31F 1/285 (2013.01 - EP); **B31F 1/36** (2013.01 - KR); **F28F 3/12** (2013.01 - EP)

Citation (search report)

- [XY] EP 0574872 A1 19931222 - PETERS W MASCHF [DE]
- [X] US 3861057 A 19750121 - WITTSTOCK GERHARD, et al
- [X] GB 1046813 A 19661026 - NIWA MACHINERY CO LTD
- [Y] EP 0568785 A1 19931110 - BHS BAYERISCHE BERG [DE]
- [A] US 2487647 A 19491108 - GOETTSCHE WALTER J
- [A] WO 8705062 A1 19870827 - ALSEMA CORNELIS HENDRIKUS
- [A] FR 2109673 A5 19720526 - AUTOIPARI KUTATO INTEZET

Cited by

US2018056265A1; ES2396810A1; WO9802298A1; WO2012107616A1; EP3738759A1; US11260617B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0768170 A1 19970416; CA 2187811 A1 19970414; JP H09309161 A 19971202; KR 970020411 A 19970528

DOCDB simple family (application)

EP 96116435 A 19961014; CA 2187811 A 19961011; JP 29329996 A 19961014; KR 19960045527 A 19961012