

Title (en)  
SHRINK TUNNEL

Publication  
**EP 0136654 A3 19850508 (DE)**

Application  
**EP 84111455 A 19840926**

Priority  
DE 3335790 A 19831001

Abstract (en)  
[origin: US4597193A] A shrinkage tunnel (11) for heat treatment of shrinkable films has a hot air unit, which can be inserted as a standard unit in a tunnel wall and contains a radial fan (22), which is surrounded by a fan casing (26) formed from two sheet metal half-shells (27, 28). Between them they form a ring nozzle (30) with an axial outflow direction with respect to fan shaft (25), while air return flow opening (32) is centrally and directly positioned below the fan wheel (22). The heating system is integrated into the fan casing, so that the complete hot air unit (20) is an independently functional and preassemblable component.

IPC 1-7  
**B65B 53/06**

IPC 8 full level  
**B65B 53/06** (2006.01)

CPC (source: EP US)  
**B65B 53/063** (2013.01 - EP US)

Citation (search report)

- [X] DE 2205975 A1 19720831
- [Y] US 3378989 A 19680423 - DENKER STANLEY D
- [A] US 3389530 A 19680625 - ARTHUR YATES RONALD

Cited by  
EP0466525A1; CN108750221A; CN113532033A

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

DOCDB simple family (publication)  
**EP 0136654 A2 19850410; EP 0136654 A3 19850508; EP 0136654 B1 19871223**; AT E31515 T1 19880115; DE 3335790 A1 19850418; DE 3468200 D1 19880204; JP S6090116 A 19850521; US 4597193 A 19860701

DOCDB simple family (application)  
**EP 84111455 A 19840926**; AT 84111455 T 19840926; DE 3335790 A 19831001; DE 3468200 T 19840926; JP 20217384 A 19840928; US 65592684 A 19840928