

Title (en)  
DEVICE FOR GENERATING HOT GAS FOR SHRINKING PLASTIC SHEETS

Publication  
**EP 0064636 B1 19850327 (DE)**

Application  
**EP 82103394 A 19820422**

Priority  
DE 3118396 A 19810509

Abstract (en)  
[origin: US4470807A] The invention concerns an apparatus for producing a hot gas to shrink plastic foils, with at least one burner mounted in a housing provided with a discharge nozzle for the hot gas. To better control the hot-gas temperature and hence the temperature of shrinking, the apparatus is provided with such a burner arrangement that the hot-gas jet (9 or 10) leaving the burner (7 or 8) is directed at an angle to the discharge flow defined by the discharge nozzle (6) and with a jet-deflection means for the hot-gas jet (9 or 10) before the discharge nozzle (6). In a preferred embodiment the jet deflection is implemented by a jet (17) of cold air by means of which the hot-gas jet (9 or 10) is simultaneously directed and cooled. In a preferred mode, the pressure and the flow rate of the cold-air jet (17) are controlled.

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

IPC 8 full level  
**B65B 53/06** (2006.01); **F23D 99/00** (2010.01)

CPC (source: EP US)  
**B65B 53/06** (2013.01 - EP US); **F23D 91/02** (2015.07 - EP US)

Cited by  
EP0282849A1; EP0282860A3; EP0160886A3

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

DOCDB simple family (publication)  
**EP 0064636 A1 19821117**; **EP 0064636 B1 19850327**; AT E12377 T1 19850415; DE 3118396 A1 19821202; DE 3262756 D1 19850502; US 4470807 A 19840911

DOCDB simple family (application)  
**EP 82103394 A 19820422**; AT 82103394 T 19820422; DE 3118396 A 19810509; DE 3262756 T 19820422; US 37662082 A 19820510