Title (en)

METHOD AND DEVICE FOR CONTROLLING THE TEMPERATURE OF BLANKS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TEMPERIERUNG VON VORFORMLINGEN

Title (fr)

PROCEDE ET DISPOSITIF SERVANT A EQUILIBRER LA TEMPERATURE DE PREFORMES

Publication

**EP 1868785 A1 20071226 (DE)**

Application

**EP 06722740 A 20060330**

Priority

- DE 2006000590 W 20060330
- DE 102005017128 A 20050407

Abstract (en)

[origin: WO2006105769A1] The invention relates to a method and a device for controlling the temperature of blanks consisting of a thermoplastic material. At least sections of the blanks are at least temporarily exposed to microwave radiation. The microwave radiation generates a thermal profile in the wall (55) of the blank. The blank is heated in a heating zone (44) that covers only part of the blank and is delimited by the wall. During at least part of the temperature-control process, the blank and the heating zone are displaced in relation to one another.

IPC 8 full level

**B29B 13/02** (2006.01); **B29B 13/08** (2006.01); **B29C 49/64** (2006.01); **B29C 49/68** (2006.01)

CPC (source: EP US)

**B29B 13/024** (2013.01 - EP); **B29C 49/12** (2013.01 - US); **B29C 49/42073** (2022.05 - US); **B29C 49/42095** (2022.05 - US); **B29C 49/6436** (2013.01 - EP); **B29C 49/68** (2013.01 - EP US); B29C 49/06 (2013.01 - EP); B29C 49/12 (2013.01 - EP); B29C 49/1229 (2022.05 - EP); B29C 49/4205 (2013.01 - EP); B29C 49/6445 (2013.01 - EP); B29C 49/6454 (2013.01 - EP); B29C 2035/0855 (2013.01 - EP); B29C 2949/0715 (2022.05 - EP); B29K 2023/12 (2013.01 - EP); B29K 2067/00 (2013.01 - EP); B29L 2031/7158 (2013.01 - EP)

Cited by

US10071521B2; US10940635B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006105769 A1 20061012**; DE 112006001499 A5 20080320; EP 1868785 A1 20071226

DOCDB simple family (application)

**DE 2006000590 W 20060330**; DE 112006001499 T 20060330; EP 06722740 A 20060330