

Title (en)

COLLAPSIBLE CORE ASSEMBLY FOR A MOLDING APPARATUS

Title (de)

ZUSAMMENKLAPPBARE KERNANORDNUNG FÜR EINE FORMVORRICHTUNG

Title (fr)

ENSEMBLE DE NOYAU REPLIABLE POUR UN APPAREIL DE MOULAGE

Publication

**EP 1853414 A4 20090812 (EN)**

Application

**EP 06735268 A 20060216**

Priority

- US 2006005516 W 20060216
- US 90641305 A 20050218
- US 14352805 A 20050602

Abstract (en)

[origin: WO2006089049A1] A collapsible core device for molding articles around the core device in a mold cavity includes a first sleeve, a second sleeve and an expansion member. The first sleeve includes a plurality of first ribs extending from a first base in an axial direction and defining a discontinuous first perimeter surrounding a channel. The second sleeve includes a plurality of second ribs extending from a second base in an axial direction and defining a discontinuous second perimeter surrounding the central channel. Each of the second ribs is arranged between adjacent ones of the first ribs. The expansion member is fittable within the central channel to displace the first and second ribs outwardly to form an overall perimeter defined by the first and second ribs.

IPC 8 full level

**B29C 45/40** (2006.01); **B29C 37/00** (2006.01)

CPC (source: EP)

**B29C 45/4421** (2013.01)

Citation (search report)

- [X] EP 0293878 A2 19881207 - TOTO LTD [JP]
- [X] US 3373479 A 19680319 - WATT WILLIAM E R, et al
- [X] "ZUSAMMENFALLBARER KERN FUER SPRITZGIESSWERKZEUGE", KUNSTSTOFFE, CARL HANSER VERLAG, MUNCHEN, DE, vol. 65, no. 11, 1 November 1975 (1975-11-01), pages 735, XP001176506, ISSN: 0023-5563
- [X] TARAHOMI S ED - SOCIETY OF PLASTICS ENGINEERS: "COLLAPSIBLE CORE ANALYSIS AND PART DESIGN FEASIBILITY FOR INJECTION MOLDING WITH COLLAPSIBLE CORES", IN SEARCH OF EXCELLENCE. MONTREAL, MAY 5 - 9, 1991; [PROCEEDINGS OF THE ANNUAL TECHNOLOGY CONFERENCE (ANTEC)], BROOKFIELD, SPE, US, vol. 4 OF 05, 5 May 1991 (1991-05-05), pages 1761 - 1764, XP000357154
- See references of WO 2006089049A1

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