

Title (en)
EXPANDABLE SHAPED PARTS WITHOUT CHEMICAL CROSS-LINKING AGENTS

Title (de)
SCHÄUMBARE FORMTEILE OHNE CHEMISCHE VERNETZUNGSMITTEL

Title (fr)
PIECES MOULEES EXPANSIBLES EXEMPTES D'AGENTS DE RETICULATION CHIMIQUES

Publication
EP 1888675 A1 20080220 (DE)

Application
EP 06753635 A 20060516

Priority
• EP 2006004593 W 20060516
• DE 102005026356 A 20050607

Abstract (en)
[origin: WO2006131190A1] The invention relates to a method for producing thermally expandable shaped bodies based on thermoplastic homo- and/or copolymers and expanding agents, in which the shape-maintaining cross-linking of the binding agent base ensues without chemical cross-linking agents by means beta or gamma radiation. In a subsequent step, the pre-shaped shaped bodies are expanded by heating to temperatures ranging from 90 °C to 250 [°]C without collapsing occurring during the expansion of the shaped body.

IPC 8 full level
C08J 9/00 (2006.01)

CPC (source: EP KR)
B29C 44/18 (2013.01 - EP); **B29C 71/04** (2013.01 - EP); **C08J 3/24** (2013.01 - KR); **C08J 3/28** (2013.01 - KR); **C08J 9/00** (2013.01 - KR); **C08J 9/04** (2013.01 - EP KR); **B29C 2035/085** (2013.01 - EP); **B29C 2035/0877** (2013.01 - EP); **B29C 2791/001** (2013.01 - EP)

Citation (search report)
See references of WO 2006131190A1

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)
DE 102005026356 A1 20061214; EP 1888675 A1 20080220; JP 2008542508 A 20081127; KR 20080022097 A 20080310; WO 2006131190 A1 20061214

DOCDB simple family (application)
DE 102005026356 A 20050607; EP 06753635 A 20060516; EP 2006004593 W 20060516; JP 2008515074 A 20060516; KR 20077028738 A 20071207