

Title (en)
METHOD FOR MANUFACTURING SOLID ELASTOMERIC GELS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON FESTE ELASTOMERGELE

Title (fr)
METHODE POUR LA FABRICATION DE GELS ELASTOMERES SOLIDES

Publication
EP 0837766 A1 19980429 (EN)

Application
EP 96914622 A 19960514

Priority

- US 9606855 W 19960514
- US 22995 P 19950615

Abstract (en)
[origin: WO9700163A1] Solid elastomeric gel is produced in a continuous process using a twin screw extruder (10). Gel from the extruder (10) can be fed through a die (21) to form a length of the gel (20) with a uniform cross section and then cut to length to provide pieces of the gel (20) for use in a pad. Alternatively, gel from the extruder (10) may be injected into a chamber between a rigid base portion and a thermoplastic sheet to form that sheet and a surface of the layer of gel in the cavity against a surface in a cavity, thereby producing a pad including the layer of gel that has a precise predetermined peripheral shape corresponding to the surface in the cavity and is covered by the sheet which also has that peripheral shape and is wrinkle free.

IPC 1-7
B29C 47/10; **B29C 43/18**; **B29C 45/14**; **A61G 7/057**

IPC 8 full level
A61G 7/05 (2006.01); **A61G 7/057** (2006.01); **B29B 7/00** (2006.01); **B29C 45/14** (2006.01); **B29C 48/07** (2019.01); **B29C 48/12** (2019.01); **B29C 48/285** (2019.01); **B29C 48/305** (2019.01); **B29C 48/45** (2019.01); **C08J 3/18** (2006.01)

CPC (source: EP KR)
A61G 7/057 (2013.01 - KR); **A61G 7/05738** (2013.01 - EP); **B29B 7/007** (2013.01 - EP); **B29C 43/18** (2013.01 - KR); **B29C 45/14** (2013.01 - KR); **B29C 45/1418** (2013.01 - EP); **B29C 45/14467** (2013.01 - EP); **B29C 48/07** (2019.02 - EP); **B29C 48/12** (2019.02 - EP); **B29C 48/285** (2019.02 - EP KR); **C08J 3/18** (2013.01 - EP); **B29C 48/297** (2019.02 - EP); **B29C 2045/14532** (2013.01 - EP); **B29K 2105/0005** (2013.01 - EP); **C08J 2353/02** (2013.01 - EP)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9700163 A1 19970103; AU 5792596 A 19970115; CA 2222645 A1 19970103; EP 0837766 A1 19980429; JP H11507881 A 19990713; KR 19990022862 A 19990325; TW 352361 B 19990211

DOCDB simple family (application)
US 9606855 W 19960514; AU 5792596 A 19960514; CA 2222645 A 19960514; EP 96914622 A 19960514; JP 50305697 A 19960514; KR 19970709331 A 19971212; TW 85106057 A 19960522