

Title (en)

DEVICE FOR PRODUCING MEDICAL FOAM

Title (de)

VORRICHTUNG ZUR ERZEUGUNG VON MEDIZINISCHEM SCHAUM

Title (fr)

DISPOSITIF PERMETTANT DE PRODUIRE UNE MOUSSE MEDICALE

Publication

EP 1572336 B2 20180124 (DE)

Application

EP 03795826 A 20031113

Priority

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- EP 0312894 W 20031113

Abstract (en)

[origin: US2006178620A1] A device for producing medical foam, for example, a sclerosing agent, a diagnostic agent, a therapeutic agent, etc. The device comprises an active ingredient chamber and a gas chamber. Both chambers are respectively closed by a piston and connected to a foam generator. Both pistons are interconnected, especially by a connecting element, and can be displaced together, in order to supply the active ingredient and the gas to the foam producer.

IPC 8 full level

B01F 13/00 (2006.01); **B01F 5/04** (2006.01); **B01F 5/06** (2006.01)

CPC (source: EP US)

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Citation (opposition)

Opponent :

- EP 0695555 A1 19960207 - HIGASHIKAWA TETSURO [JP]
- WO 0072821 A1 20001207 - BTG INT LTD [GB], et al
- GB 2369996 A 20020619 - S T D PHARMACEUTICAL PRODUCTS [GB]
- US 5425580 A 19950620 - BELLER KLAUS-DIETER [DE]
- WO 0241872 A1 20020530 - BTG INT LTD [GB], et al
- US 4059109 A 19771122 - TISCHLINGER EDWARD A
- US 4014463 A 19770329 - HERMANN PAUL F
- DE 3417182 C2 19890119
- WOLLMANN J-C.G.R.: "The history of sclerosing foams", AMERICAN SOCIETY FÜR DERMATOLOGIC SURGERY INC., vol. 30, 2004, pages 694 - 703, XP055310139
- Extract of Chambers 20th Century Dictionary. W. and R. Chambers Edinburgh (1981). A.M. MacDonald Ed. page 1258
- MAYER H. ET AL: "Zur Ätiologische und Behandlung der Varizen der unteren Extremität", CHIRURGISCHE PRAXIS-ANGIOLOGIE, no. HEFT 4, 1957, pages 521 - 528

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2006178620 A1 20060810; US 7963938 B2 20110621; AT E320304 T1 20060415; AU 2003298123 A1 20040618; DE 20218493 U1 20040408; DE 50302685 D1 20060511; EP 1572336 A1 20050914; EP 1572336 B1 20060315; EP 1572336 B2 20180124; ES 2260686 T3 20061101; WO 2004047969 A1 20040610

DOCDB simple family (application)

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