

Title (en)  
SUPPORT SYSTEM

Publication  
**EP 0364249 A3 19900926 (EN)**

Application  
**EP 89310417 A 19891011**

Priority  
GB 8824174 A 19881014

Abstract (en)  
[origin: EP0364249A2] A support system such as a clinical mattress comprises two sheets of flexible material bonded together to provide a plurality of separate cells (1) that are capable of being alternately and repeatedly inflated and deflated by means of a fluid contained in the cells (1). The flexible material is impermeable to the fluid. The cells (1) are of a size and shape and with an intercellular spacing such that in the width or length, or both, of the system, the distance between centres of adjacent inflated cells (1) is less than the human two-point discrimination threshold and the clinical support system is capable of supporting a human body with bottoming out either of or between the inflated cells (1).

IPC 1-7  
**A61G 7/057**

IPC 8 full level  
**A61G 7/05** (2006.01); **A61G 7/057** (2006.01)

CPC (source: EP KR)  
**A61G 7/047** (2013.01 - KR); **A61G 7/05776** (2013.01 - EP)

Citation (search report)

- [A] GB 2149655 A 19850619 - SEIKEN CO, et al
- [A] US 3394415 A 19680730 - PARKER BUSTER A
- [A] US 3674019 A 19720704 - GRANT BENTON H
- [AP] EP 0292218 A1 19881123 - HILLENBRAND IND INC [US]
- [XP] EP 0290398 A1 19881109 - ZAROTTI CLAUDIO
- [XP] DE 3716263 A1 19881124 - ZAHORANSKY EDGAR DIPL ING [DE], et al

Cited by  
IT202100009203A1; EP1284125A2; US9820904B2; US10987265B2; WO2010078039A3; WO2010078047A3

Designated contracting state (EPC)  
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