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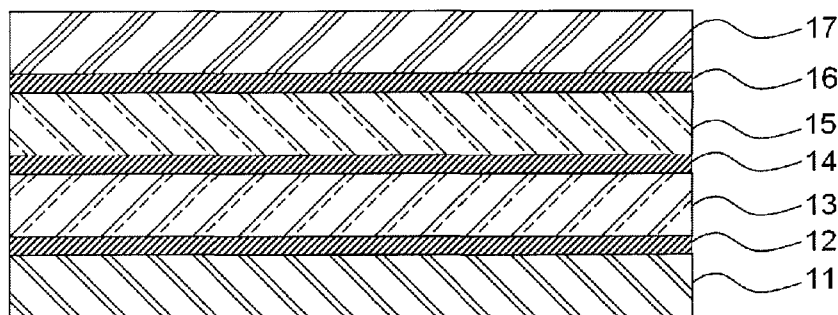
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(54) **Title:** HIGH BARRIER MULTILAYER FILM FOR FUNCTIONAL MEDICAL SOLUTION PRODUCT

FIGURE 1



(57) **Abstract:** The present invention relates to a high barrier multilayer film for functional medical solution product comprising in order, an outer layer comprising polyethyleneterephthalate deposited inorganic oxide thereon; a first adhesive layer comprising ester type polyurethane; a first intermediate layer comprising ethylene vinyl alcohol copolymer; a second adhesive layer comprising ester type polyurethane; a second intermediate layer comprising polyamide; a third adhesive layer comprising ester type polyurethane; and an inner layer comprising propylene-based polymer. The multilayer film has the merits of improved transparency, heat resistance, sealing property, durability, competitive price, oxygen barrier property and less pinhole, so that may be applied to an outer bag of pouch type container of medical solution.

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A. CLASSIFICATION OF SUBJECT MATTER		
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According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 8: B32B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Utility models and applications for Utility models since 1975 Japanese Utility models and applications for Utility models since 1975		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS (KIPO internal) "barrier multilayer film, medical solution"		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 08-275985 A (WR GRACE & CO CONNECTICUT) 22 October 1996 See claims 1-28	1-17
A	KR 10-2003-0046120 A (E-SANG CO ,LTD , HONAM PETROCHEMICAL CORPORATION) 12 June 2003 See claims 1-6	1-17
A	KR 10-0651346 B1 (SK CORPORATION) 22 November 2006 See claims 1,4-6, 8-14 and Figure 1 (including its corresponding description)	1-17
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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KR 10-2003-0046120 A	12.06.2003	None	
KR 10-0651346 B 1	22.11.2006	None	