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(54) **Title:** (METH)ACRYLIC PRESSURE-SENSITIVE ADHESIVE FOAM AND METHOD FOR PRODUCING THE SAME

(57) **Abstract:** A (meth)acrylic pressure-sensitive adhesive foam reduced in the amount of a foaming adjuvant compared with the conventional foam and having a high air bubble content, and a method for producing the same are provided. The foam includes a partial polymer having (a) one or more alkyl (meth)acrylate monomers having one reactive unsaturated group, the alkyl group having 12 or less carbon atoms, (b) a monomer for crosslinking, which is copolymerizable with the component (a), and (c) a copolymer of the component (a) and the component (b); a thermally conductive filler; and a foaming adjuvant containing surface modified nanoparticles having a particle diameter of 20 nm or less, wherein a crosslinked structure containing the component (c) is formed in the curable composition.



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A. CLASSIFICATION OF SUBJECT MATTER*C09J 133/04(2006.01)i, C09J 11/04(2006.01)i, C09J 9/00(2006.01)i*

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)

C09J; B32B; C08J; C08K; C08L

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)

e-Kompass(KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002-0128336 A1 (BRANT U. KOLB et al.) 12 September 2002 See Abstract; Paragraphs [0010]-[0099]; Claims 1 and 19.	1,8
A	JP 2000-281997 A (DAINIPPON INK & CHEM. INC.) 10 October 2000 See the whole document.	1-8
A	WO 2006-065373 A1 (3M INNOVATIVE PROPERTIES COMPANY) 22 June 2006 See the whole document.	1-8
A	US 2002-0028326 A1 (RAMESH LHILA et al.) 07 March 2002 See the whole document.	1-8
A	US 2004-0235997 A1 (MEISENBURG UWE et al.) 25 November 2004 See the whole document.	1-8

 Further documents are listed in the continuation of Box C. See patent family annex.

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