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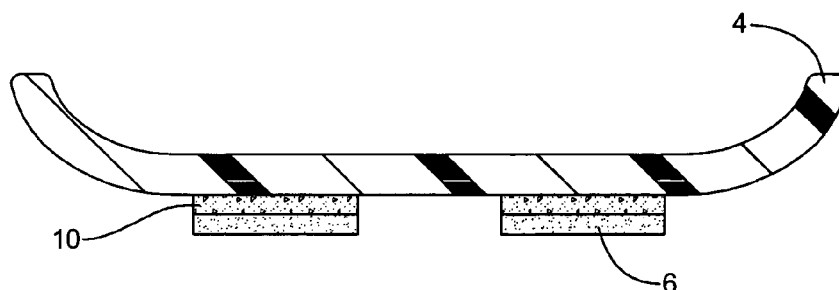


FIG 2

(57) Abstract: A method of insert molding comprises placing in a first mold a curable rubber composition comprising a reactive species; placing on a surface of the rubber composition a first thermoplastic material (10) in a film or layer comprising a group reactive with the reactive species of the rubber composition; curing the rubber composition in the mold to form a first molded article of cured rubber (6) having a first thermoplastic material layer (10) covalently bonded through reactive of the reactive species and the group; placing the first molded article as an insert into a second mold, the cured rubber (6) contacting an inside surface of the second mold and the thermoplastic layer (10) facing into the second mold cavity; closing the second mold and injecting into the second mold a second thermoplastic material (4) that to form a second molded article comprising the first molded article thermally welded and/or covalently bonded to the second thermoplastic material (4).



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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C08J5/12
ADD. B29K67/00 B29K9/06 B29K75/00 B29K21/00

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)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/090062 A (WOYUN CO LTD [KR]; JUNG JUM SIK [KR]; LEE SANG HO [KR]; LEE SANG JAE) 29 September 2005 (2005-09-29)	2
A	paragraphs [0006], [0008], [0033], [0038], [0046], [0053]; claims 1,3; figures 1,2	1,3-23
A	----- US 6 007 748 A (KRAJCIR DEZI ANTHONY [CA]) 28 December 1999 (1999-12-28) claims 1,12 column 5, line 45 - column 6, line 26 & DATABASE WPI Week 200009 Thomson Scientific, London, GB; AN 2000-105320 & US 6 007 748 A (KRAJCIR D A) 28 December 1999 (1999-12-28) abstract ----- -/--	1-23

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 749 781 B1 (MAURER NILES F [US]) 15 June 2004 (2004-06-15) claims 1,9; figure 1 & DATABASE WPI Week 200443 Thomson Scientific, London, GB; AN 2004-459753 & US 6 749 781 B1 (MERAMEC GROUP INC) 15 June 2004 (2004-06-15) abstract -----	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

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