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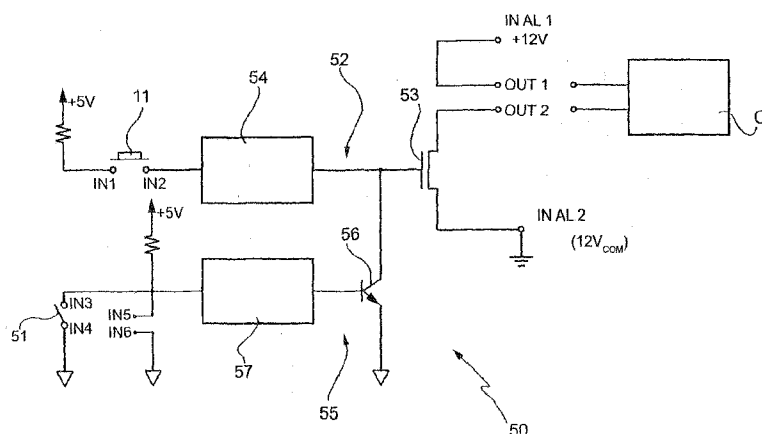
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(54) Title: KIT, EQUIPPED WITH A CONTROL DEVICE, FOR REPAIRING AND INFLATING INFLATABLE ARTICLES, AND RELATIVE CANISTER ASSEMBLY

FIG. 2



(57) Abstract: A kit for repairing and inflating inflatable articles has a compressor assembly (C); a canister assembly (3) containing sealing fluid; and releasable connecting means (16, 17) defining an assembly direction (A) and for connecting the compressor assembly (C) to the canister assembly (3). The kit has a control device for controlling turn-on of the compressor assembly (C), and at least one movable electric terminal (24) connected to the control device and loaded elastically into a predetermined position; and the canister assembly (3) has a sensor (51), and at least one electric contact (33) connected to the sensor (51) and cooperating with the movable electric terminal (24) to transmit a signal from the sensor (51) to the control device when the canister assembly (3) is connected to an inflatable article; the movable electric terminal (24) being designed to exert force on the canister assembly (3) to move the canister assembly (3) in the assembly direction (A) when the releasable connecting means (16, 17) are released.

INTERNATIONAL SEARCH REPORT

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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

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B29C B60S

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.
A	WO 2005/084968 A (TEK SRL [IT]; MARINI MAURIZIO [IT]) 15 September 2005 (2005-09-15) cited in the application claims figure 2	1,7,12
A	EP 1 747 878 A (BRIDGESTONE CORP [JP]) 31 January 2007 (2007-01-31) abstract paragraph [0001] paragraph [0091] - paragraph [0095]	1,7,12

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

☒ See patent family annex.

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8 document member of the same patent family

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2005084968	A	15-09-2005	AT 369974 T	15-09-2007
			BR PI0508106 A	17-07-2007
			CA 2557561 A1	15-09-2005
			CN 1925978 A	07-03-2007
			DE 602005002034 T2	08-05-2008
			EP 1722961 A2	22-11-2006
			ES 2292106 T3	01-03-2008
			US 2008092984 A1	24-04-2008
EP 1747878	A	31-01-2007	WO 2005113220 A1	01-12-2005
			US 2007221287 A1	27-09-2007