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㉙ Applicant : **RODGERS INSTRUMENT**
CORPORATION
1300 N.E. 25th Avenue
Hillsboro, Oregon 97214 (US)

㉚ Inventor : **Rohde, Mark Waldo**
40444 Shimanel Br. Dr.
Scio, Oregon 97374 (US)
Inventor : **Kirkwood, George Thomas**
281 N.E. 17th Avenue
Hillsboro, Oregon 97214 (US)
Inventor : **Schalk, Dick Gerret**
2719 S.E. 74th Avenue
Portland, Oregon 97206 (US)
Inventor : **Brown, Roger Thomas**
2743 S.E. Aspen Court
Hillsboro, Oregon 97123 (US)
Inventor : **Smythe, Robert Lewis**
9260 S.W. Downing Dr.
Beaverton, Oregon 97005 (US)

㉛ Representative : **Yelland, William Alan et al**
c/o H.N. & W.S. SKERRETT Charles House
148/9 Great Charles Street
Birmingham B3 3HT (GB)

⑤④ **Pedal board for a musical instrument.**

⑤⑦ A pedal board for musical instruments. Pedal mounting, guide, and electrical switch mechanisms are provided in a pedal board for an electronic organ. Each pedal (50) is mounted by a cylindrical pin (54) attached to the back end (56) of the pedal and to the base (52) of the pedal board by an interference fit. A similar, guide pin (60) is attached to the front end (62) of the pedal by an interference fit. The guide pin fits loosely in an aperture which limits lateral movement of the pin and, thence, of the pedal itself. The lower end of the guide pin actuates an elastomer electric switch (68) when the pedal is pressed down. The elastomeric electric switch is mounted on a printed circuit board (114), and includes a chamber (102) having a bell-shaped wall (104) attached to a support strip by weakened edges (126) and may be enclosed at the bottom by a diaphragm (124). The wall carries conductive elements (122). The conductive element shorts contacts (118) on the printed circuit board when the chamber is compressed by the guide pin. Pedal board tension and resiliency is providing by the mounting pin and/or by a bias spring (148).



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EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	GB-A-1 059 743 (EGLINTON) * page 2, line 48 - page 2, line 61; figure 5 * ---	1	G 10 B 3/14 H 01 H 3/14
A	GB-A-L14592 (MAYOR) & GB-A-14592 A.D. 1911 * page 1, line 29 - page 2, line 2; figures 1-3 * ---	1	
A	FR-A-2 242 738 (SCHUTZE) * page 3, line 35 - page 4, line 2; figures 1-4 * ---	1	
A	US-A-1 840 712 (GRANT) * figures 1-3 * ---	2	
A	US-A-4 490 587 (MILLER ET AL) * abstract; figure 1 * -----	10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 10 B H 01 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-01-1993	Examiner ANDERSON A T
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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	CLAIMS INCURRING FEES
<p>The present European patent application comprised at the time of filing more than ten claims.</p> <p><input type="checkbox"/> All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.</p> <p><input type="checkbox"/> Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:</p> <p><input type="checkbox"/> No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.</p>	
	LACK OF UNITY OF INVENTION
<p>The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:</p> <p style="text-align: center; margin-top: 20px;">see sheet -B-</p> <p><input type="checkbox"/> All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.</p> <p><input type="checkbox"/> Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:</p> <p><input checked="" type="checkbox"/> None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1, 2, 4-17</p>	



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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1,2,4-17 (partially) :
Pedal board, where pedal and base are connected together at their back ends by a flexible upstanding mounting.

2. Claims 3-17 (partially) :
Pedal board, where pedal and base are connected together at their back ends, with spring means at the front to force the pedal upwardly, and adjustable mounting means for the spring means.