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(54) Title: DEVICE FOR CORRECTING INTONATIONAL IMPERFECTIONS OF BRASS INSTRUMENTS

(57) Abstract: The corrector of intonation imperfections in 3 or 4 valve brass instruments solves the intonation imperfections in all 3 or 4 valve brass instruments (f.e.: trumpet, French horn, ventile trombone, tube, tenor horn, bass tuba, fanfare) in the following way: by means of a compensation slide the adequate adjustments of the pipe length occur. The intonation imperfections in wind instruments are marked by the following: If using the 5th, 6th and 7th pipe length an insufficiency of the instrument's pipe length occurs. For that reason all three vertical sequences of tones, played at those lengths, are relatively too low. Of the 10 mostly used tones from the harmonics only the following are correct and have an intonation precision: 4 tones (1st, 2nd, 4th and 8th tone). Three tones are too high (3rd, 6th and 9th tone) and three tones are too low (5th, 7th and 10th tone). If, by means of a compensation slide, the basic pipe length is shortened, the intonation of the played tone raises. If, by means of a compensation slide, the basic pipe length is lengthened, the intonation of the played tone is decreased.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G10D7/10 G10D9/00

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)
IPC 7 G10D

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 512 233 A (HOLLAND JACK O) 23 April 1985 (1985-04-23) column 3, line 66 -column 7, line 17; figure 1	1-5
X	---	
X	DE 893 000 C (SIEGFRIED RITTERBACH MUENCHEN) 19 July 1956 (1956-07-19) page 2, line 59 -page 3, line 55; figure 1	1-5
X	-----	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4512233	A	23-04-1985	AT 71759 T 15-02-1992 DE 3485463 D1 27-02-1992 EP 0163725 A1 11-12-1985 WO 8502288 A1 23-05-1985
DE 893000	C	19-07-1956	NONE