(12) 按照专利合作条约所公布的国际申请

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(30) 优先权:
201010514720.1 2010 年 10 月 21 日 (21.10.2010) CN
201120207414.3 2011 年 6 月 20 日 (20.06.2011) CN

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(81) 指定国 (除另有指明，要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。

(84) 指定国 (除另有指明，要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)。

本国际公布:
— 包括国际检索报告(条约第 21 条(3))。

[见续页]

(54) Title: VIOLIN NECKGUARD

(54) 发明名称 : 提琴护颈

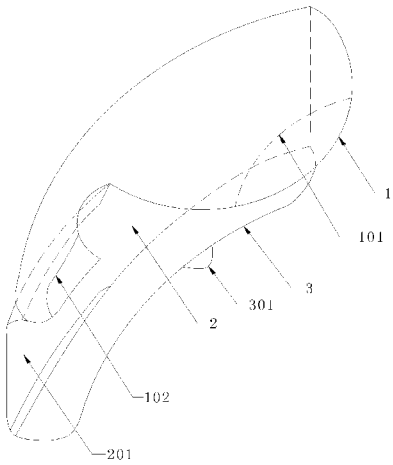

图 5 / Fig. 5

(57) Abstract: A neckguard for violins, comprising, linked one to the other, a chinrest pad (1), a neck-pad (2) and a shoulder pad (4) serving to adjust pressure between a violin and the shoulder. The shape of the chinrest pad (1) corresponds to the shape of the chinrest (9) of the instrument and one end of the chinrest pad (1) is connected to one end of the neck-pad (2); the other end of the chinrest pad (1) is provided with a sleevable accommodation groove (101) fixable to the chinrest (9). The neck-pad (2) is in the form of an arc corresponding to the arc of the side panel of the lower end of the violin; the angle between the chinrest pad (1) and the neck-pad (2) is fixed, and is identical to the angle between the front panel and the side panel of the lower end of the violin.

(57) 摘要: 一种提琴护颈，包括：相互连接的腮托垫（1）、颈垫（2）和调节提琴与肩部之间压力的肩垫（4），该腮托垫（1）的形状与提琴腮托（9）形状对应，腮托垫（1）的一个端部和颈垫（2）的一个端部相连，腮托垫（1）的另一个端部设置有套装并固定在提提琴腮托（9）上的容纳槽（101），该颈垫（2）为弧形面且与提琴底部侧板的弧形对应，其中腮托垫（1）与颈垫（2）之间的角度与提琴面板和提琴底部侧板之间的角度相同且固定。

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(88) **国际检索报告公布日期**: 2012年11月1日

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2011/080255

A. CLASSIFICATION OF SUBJECT MATTER

G10D 3/18 (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)

IPC: 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 practicable, search terms used)

VEN, CNABS: neck protection, Violin, cello, violoncello, viola, neck, protect, chin rest, chinrest

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PY	CN 101980333 A (LI, La), 23 February 2011 (23.02.2011), claims 1-10, description, pages 1-5, and figures 1-5	1-10
A	CN 1280355 A (RUDOLF WEITNA CO., LTD.), 17 January 2001 (17.01.2001), description, pages 5-8, and figures 1-6	1-10
A	CN 101529498 A (VSP D.O.O.), 09 September 2009 (09.09.2009), the whole document	1-10
A	US 7476789 B1 (FEDERICI, N.S.), 13 January 2009 (13.01.2009), the whole document	1-10

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

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
26 December 2011 (26.12.2011)	**19 January 2012 (19.01.2012)**
Name and mailing address of the ISA/CN: State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No.: (86-10) 62019451	Authorized officer **ZHANG, Yaling** Telephone No.: (86-10) **62085722**

Form PCT/ISA/210 (second sheet) (July 2009)

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2011/080255

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 101980333 A	23.02.2011	None	
CN 1280355 A	17.01.2001	DE 19931382 C2	30.08.2001
		DE 50012005 D1	30.02.2006
		EP 1067508 B1	04.01.2006
		EP 1067508 A2	10.01.2001
		CN 1172289 C	20.10.2004
		DE 19931382 A1	01.02.2001
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		US 6268555 B1	31.07.2001
CN 101529498 A	09.09.2009	US 2010064876 A1	18.03.2010
		AU 2007315930 A1	08.05.2008
		CA 2667874 A1	08.05.2008
		KR 1060054 B1	29.08.2011
		EP 2080190 A2	22.07.2009
		IN 200900993 P3P3	03.07.2009
		KR 20090061074 A	15.06.2009
		JP 2010508543 A	18.03.2010
		WO 2008053255 A2	08.05.2008
		US 7893329 B2	22.02.2011
US 7476789 B1	13.01.2009	None	

国际检索报告

国际申请号
PCT/CN2011/080255

A. 主题的分类

G10D 3/18(2006.01)i

按照国际专利分类(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域

检索的最低限度文献(标明分类系统和分类号)

IPC：G10D

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称，和使用的检索词（如使用）)

VEN,CNABS: 提琴，护颈，腮托, Violin, cello, violoncello, viola, neck, protect, chin rest, chinrest

C. 相关文件

类　型*	引用文件，必要时，指明相关段落	相关的权利要求
PY	CN101980333A(李腊),23.2 月 2011(23.02.2011),权利要求 1-10,说明书 1-5 页,图 1-5	1-10
A	CN1280355A(鲁多尔夫·维特纳有限公司),17.1 月 2001(17.01.2001), 说明书第 5-8 页，图 1-6	1-10
A	CN101529498A(VSP 有限公司.),09.9 月 2009(09.09.2009),全文	1-10
A	US7476789B1(FEDERICI N. S.),13.1 月 2009(13.01.2009),全文	1-10

☐ 其余文件在 C 栏的续页中列出。　　☒ 见同族专利附件。

* 引用文件的具体类型：

"A" 认为不特别相关的表示了现有技术一般状态的文件

"E" 在国际申请日的当天或之后公布的在先申请或专利

"L" 可能对优先权要求构成怀疑的文件，或为确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件（如具体说明的）

"O" 涉及口头公开、使用、展览或其他方式公开的文件

"P" 公布日先于国际申请日但迟于所要求的优先权日的文件

"T" 在申请日或优先权日之后公布，与申请不相抵触，但为了理解发明之理论或原理的在后文件

"X" 特别相关的文件，单独考虑该文件，认定要求保护的发明不是新颖的或不具有创造性

"Y" 特别相关的文件，当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时，要求保护的发明不具有创造性

"&" 同族专利的文件

国际检索实际完成的日期	国际检索报告邮寄日期
26.12 月 2011(26.12.2011)	**19.1 月 2012 (19.01.2012)**
ISA/CN 的名称和邮寄地址： 中华人民共和国国家知识产权局 中国北京市海淀区蓟门桥西土城路 6 号 100088 传真号：　(86-10)62019451	受权官员 张亚玲 电话号码：(86-10) **62085722**

国际检索报告

关于同族专利的信息

国际申请号
PCT/CN2011/080255

检索报告中引用的专利文件	公布日期	同族专利	公布日期
CN101980333A	23.02.2011	无	
CN1280355A	17.01.2001	DE19931382 C2	30.08.2001
		DE50012005 D1	30.02.2006
		EP1067508B1	04.01.2006
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		AU2007315930 A1	08.05.2008
		CA2667874 A1	08.05.2008
		KR1060054 B1	29.08.2011
		EP2080190 A2	22.07.2009
		IN200900993P3 P3	03.07.2009
		KR20090061074 A	15.06.2009
		JP2010508543 A	18.03.2010
		WO2008053255 A2	08.05.2008
		US7893329 B2	22.02.2011
US7476789B1	13.01.2009	无	