

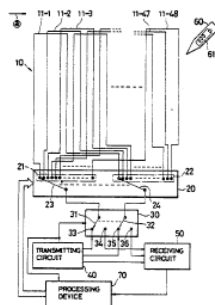
Patent situation of passive electromagnetic pen

I. Working principle patent

The working principle of passive electromagnetic pen adopts the technology disclosed by Japan wacom company.

Patent No.: US4878553

<p>United States Patent [19]</p> <p>Yamanami et al.</p> <p>[54] POSITION DETECTING APPARATUS</p> <p>[75] Inventors: Tsuguya Yamanami, Okegawa; Takahiko Fumabashi, Kuki; Toshiaki Senda, Okegawa, all of Japan</p> <p>[73] Assignee: Wacom Co., Ltd., Saitama, Japan</p> <p>[21] Appl. No.: 95,702</p> <p>[22] Filed: Sep. 14, 1987</p> <p>[30] Foreign Application Priority Data Sep. 12, 1986 [JP] Japan 61-213970</p> <p>[51] Int. Cl.: G08C 21/00</p> <p>[52] U.S. Cl.: 178/18; 341/15</p> <p>[58] Field of Search 178/18, 19; 340/347 P, 340/870.31; 341/5, 15</p> <p>[56] References Cited U.S. PATENT DOCUMENTS 3,299,424 1/1967 Vinding 340/870.31 4,616,106 10/1986 Fowler et al. 178/18 4,697,050 9/1987 Farel et al. 178/18 4,713,496 12/1987 Kimura et al. 178/18</p> <p><i>Primary Examiner</i>—William M. Shoop, Jr. <i>Assistant Examiner</i>—Marc S. Hoff</p>	<p>[11] Patent Number: 4,878,553</p> <p>[45] Date of Patent: Nov. 7, 1989</p> <p><i>Attorney, Agent, or Firm</i>—Pollock, VandeSande & Priddy</p> <p>[57] ABSTRACT A position detecting apparatus for detecting a position pointed by a pointer on a system such as a digitizer has the following parts: a position detection section having a plurality of loop coils arrayed in a side-by-side fashion in the direction of position detection; a selection circuit for successively selecting the loop coils one-by-one; a transmission circuit for generating an A.C. signal of a predetermined frequency to be delivered to the selected loop coil; a receiving circuit adapted to detect an induced voltage of a frequency substantially the same as that of the A.C. signal from among various voltages induced in the selected loop coil; a connection switching circuit for connecting the selected loop coil alternately to the transmission circuit and the receiving circuit; a position pointer having a tuning circuit including a coil and a capacitor and adapted to resonate with an electric wave produced by the loop coil which is supplied with the A.C. signal; and a processing device for determining the position pointed by the position pointer by processing signals representing the levels of voltages induced in the loop coils.</p> <p style="text-align: right;">7 Claims, 8 Drawing Sheets</p>
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The patent is valid for 20 years, the 2007 patent expires.
 In 2006, Japan Wacom sued Hanvon for patent infringement in the United States and China and finally settled in 2008.
 A detailed analysis of the case has been conducted by experts in the country.

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规避专利侵权风险的国际化市场选择 ——基于汉王绘图板案例的研究

李清海, 钟 竞, 吴泗宗
 (同济大学经济与管理学院, 上海 200092)

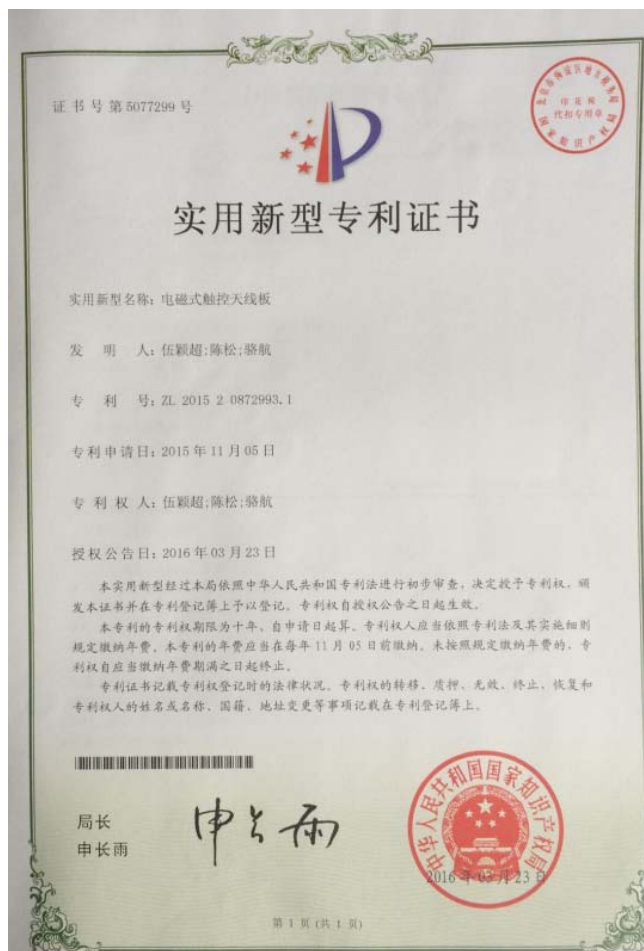
摘 要 针对我国企业国际化过程中频频遭遇专利侵权指控的难题, 本文提出在进入国际市场前进行规避专利侵权风险的市场选择, 该方法的法律基础是专利的新颖性、创新性和实用性以及时效性和地域性。本文以指控汉王侵权的 Wacom 的美国专利 RE34187 为例, 通过分析其同类专利、同类专利的法律状态、专利审查报告中引用的专利和其它文献, 获得相应的市场选择。
关键词 国际化; 专利侵权; 市场选择
 中图分类号: G306.3 文献标识码: A

The key conclusion is that when the case is adjudicated, the patent protection period has expired, the winning and losing is meaningless to the Japanese company, and the two sides reconciliation is the best result.

II. proprietary technology

We use the world's first manufacturing process, has obtained a patent certificate, patent number ZL201520872993.1

Patent applications for inventions in China and the United States are under review.



III. Appearance Patent

Product appearance Patent No.: cn302630692s, we have legal right of use.

(19) 中华人民共和国国家知识产权局

(12) 外观设计专利

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(73) 专利权人 汤倩
地址 455099 湖北省监利县容城镇一环路 5 号 (容城)
(72) 设计人 汤倩
(61) LOC (9) C1.
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