

**IN THE UNITED STATES DISTRICT COURT  
FOR THE NORTHERN DISTRICT OF NEW YORK  
SYRACUSE DIVISION**

**Encoditech LLC,**

Plaintiff,

v.

**Welch Allyn, Inc.**

Defendant.

Case No. 5:18-cv-1320 (BKS/TWD)

Patent Case

Jury Trial Demanded

**COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiff, Encoditech, LLC (“Encoditech”), through its attorney, Nicholas Ranallo, complains of Welch Allyn, Inc. (“Welch Allyn”) and alleges the following:

**PARTIES**

1. Plaintiff Encoditech LLC is a corporation organized and existing under the laws of Texas that maintains its principal place of business at 3415 Custer Road, Suite 120-A, Plano, Texas, 75023.

2. Defendant Welch Allyn, Inc. is a corporation organized and existing under the laws of New York that maintains its principal place of business at 4341 State Street Road, Skaneateles Falls, New York 13153.

**JURISDICTION**

3. This is an action for patent infringement arises under the patent laws of the United States, Title 35 of the United States Code.

4. This Court has exclusive subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338(a).

5. This Court has personal jurisdiction over Welch Allyn because it has engaged in systematic and continuous business activities in the Northern District of New York. Specifically, Welch Allyn is incorporated in the state of New York, provides its full range of services to residents in this District. As described below, Welch Allyn has committed acts of patent infringement giving rise to this action within this District.

#### **VENUE**

6. Venue is proper in this District under 28 U.S.C. § 1400(b) because Welch Allyn has committed acts of patent infringement in this District, has its principal place of business in this Judicial District and is incorporated in the state of New York. In addition, Encoditech has suffered harm in this District.

#### **PATENT-IN-SUIT**

7. Encoditech is the assignee of all right, title and interest in United States Patent No. 6,321,095 (the “’095 Patent”) including all rights to enforce and prosecute actions for infringement and to collect damages for all relevant times against infringers of the Patent-in-Suit. Accordingly, Encoditech possesses the exclusive right and standing to prosecute the present action for infringement of the Patent-in-Suit by Welch Allyn.

#### **The ’095 Patent**

8. On November 20, 2001, the United States Patent and Trademark Office issued the ’095 Patent. The ’095 Patent is titled “Wireless Communications Approach.” The application leading to the ’095 Patent was filed on March 26, 1999. A true and correct copy of the ’095 Patent is attached hereto as Exhibit A.

9. A certificate of correction for the ’095 Patent was filed on May 4, 2017. A true and correct copy of the certificate of correction is attached hereto as Exhibit B.

10. The '095 Patent is valid and enforceable.

11. The invention claimed in the '095 Patent relates to a mobile station that provides direct, wireless communications with another mobile station on a portion of a radio frequency (RF) band. Ex. A at 2:54-57.

12. The inventors wanted to improve wireless communications, without requiring the physical infrastructure of digital cellular telephone systems. *Id.* at 3:58-61.

13. The '095 Patent claims are not directed to a method of organizing human activity or to a fundamental economic practice long prevalent in commerce. The '095 Patent describes a system that addresses a technical problem--providing wireless communications methods that allow for more than one user to communicate with another and have private conversations, *id.* at 1:32-46--with a technical solution, providing direct, wireless communications using a frequency division multiple access/time division multiple access communication protocol. *Id.* at 2:30-34.

14. The '095 Patent does not preempt the field or preclude the use of other methods of providing wireless communications. The claims are directed to mobile stations “configured to select a portion of a radio frequency (RF) band” and “transmit a first signal on a first sub-portion.” *Id.* at claim 1. The '095 Patent identifies other methods of providing wireless communications which are generally described “in the context of a non-frequency hopping application.” *Id.* at 12:10-12.


15. The '095 Patent does not take a well-known or established business method or process and apply it to a general-purpose computer. Instead, the specific system and processes described in the '095 Patent have no direct corollary to a well-known business process. The '095 Patent describes a system that addresses a technical problem that arises

in the context of providing wireless communications. *See id.* at 1:32-46. The invention has improved wireless communications by providing direct, wireless communications using a frequency division multiple access/time division multiple access communication protocol. *Id.* at 2:30-34.

### COUNT I: INFRINGEMENT OF THE '095 PATENT

16. Encoditech incorporates the above paragraphs herein by reference.

17. **Direct Infringement.** Welch Allyn has been and continues to directly infringe at least claim 7 of the '095 Patent in this District and elsewhere in the United States, by providing an app that satisfies the preamble of claim 7” “[a] wireless communications system.” For example, Welch Allyn’s Home Blood Pressure Monitors tracks blood pressure, heartbeat, and motion through an app. Upon information and belief, Welch Allyn has performed each step of claim 7 at least by internal testing of Welch Allyn’s app:



**Welch Allyn Home™ Blood Pressure Monitors**

**Quick Overview**

Trusted in the doctor’s office, made for the home. Welch Allyn Home Blood Pressure Monitors combine the clinical quality and accuracy you count on from Welch Allyn with simple, one-button operation for fast and comfortable readings from the comfort of home. The free smartphone app lets patients store and track their readings, so they can monitor their progress. The app seamlessly connects to the blood pressure monitor using Bluetooth®4.0 technology. It is no wonder 95% of physicians surveyed would recommend a Welch Allyn blood pressure device over comparably priced options.<sup>2</sup>

**Features**

- Captures blood pressure on inflation for quick and comfortable readings
- Free app enables patients to engage in their progress toward blood pressure goals and automatically send readings to their physician for review
- Irregular heartbeat indicator
- Motion indicator
- Free Clinical Portal allows physicians to securely review patient compliance and progress
- Powered by four AA alkaline batteries (included)—optional AC adapter available

8 images (click to view)

Available at: <https://www.welchallyn.com/en/products/categories/welch-allyn-home/connected-blood-pressure-monitors/home-bp-monitor.html>; webpage attached hereto as Exhibit C.

# WELCH ALLYN HOME™ BLOOD PRESSURE MONITORS

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## Welch Allyn Home™ Blood Pressure Monitors

### Quick Overview

Trusted in the doctor's office, made for the home. Welch Allyn Home Blood Pressure Monitors combine the clinical quality and accuracy you count on from Welch Allyn with simple, one-button operation for fast and comfortable readings from the comfort of home. The free smartphone app lets patients store and track their readings, so they can monitor their progress. The app seamlessly connects to the blood pressure monitor using Bluetooth® 4.0 technology. It is no wonder 95% of physicians surveyed would recommend a Welch Allyn blood pressure device over comparably priced options.<sup>2</sup>

### Features

- Captures blood pressure on inflation for quick and comfortable readings
- Irregular heartbeat indicator
- Free app enables patients to engage in their progress toward blood pressure goals and automatically send readings to their physician for review
- Motion indicator
- Free Clinical Portal allows physicians to securely review patient compliance and progress
- Powered by four AA alkaline batteries

Available at: <https://www.welchallyn.com/en/products/categories/welch-allyn-home/connected-blood-pressure-monitors/home-bp-monitor.html>; webpage attached hereto as Exhibit D.



## Blood Pressure App for automatic sharing and tracking

Our free app enables your patients to collaborate with you as they work toward managing their blood pressure. Unlike similar apps, it goes beyond just providing a way to store their readings by automatically sending those readings to your Clinical Portal for review.

### Convenience

- Download through the App Store® or Google Play™—a familiar and consumer-friendly process
- Easily pairs with Welch Allyn Home devices for wireless data transmission to Clinical Portal
- Patients can track progress—daily, weekly, monthly, and yearly



Product not available for sale outside of the U.S. The Welch Allyn Home™ software is not intended for use in the diagnosis, cure, treatment or prevention of disease. It is not intended as a substitute for a medical care by a healthcare provider. It is not intended for emergency use or real-time monitoring.

Available at: <https://www.welchallyn.com/en/products/categories/welch-allyn-home/connected-blood-pressure-monitors/home-bp-monitor.html>; webpage attached hereto as Exhibit E.

**App Store Preview**

This app is only available on the App Store for iOS devices.

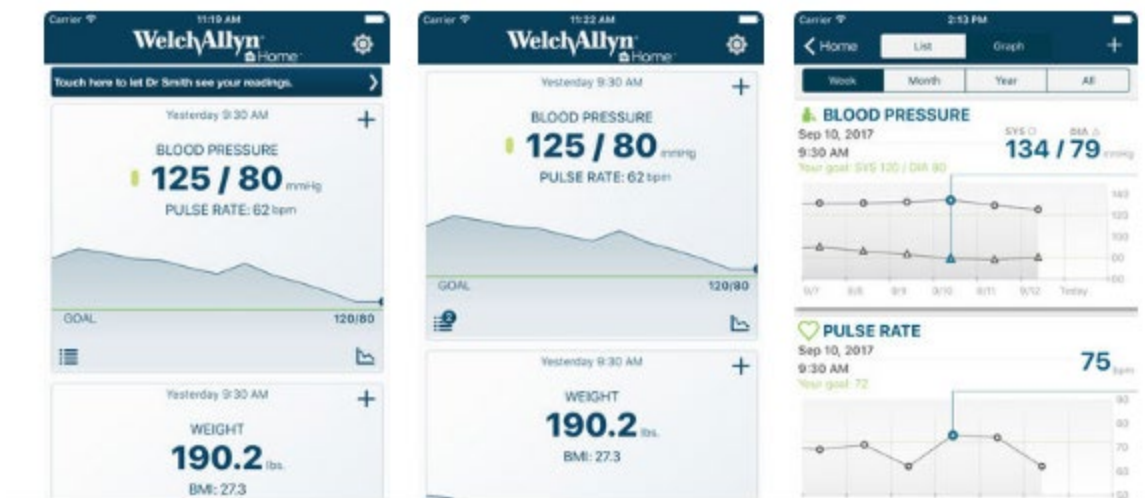


**Welch Allyn Home** (4+)

Welch Allyn, Inc.

★ ★ ★ ☆ ☆ 2.8, 11 Ratings  
Free

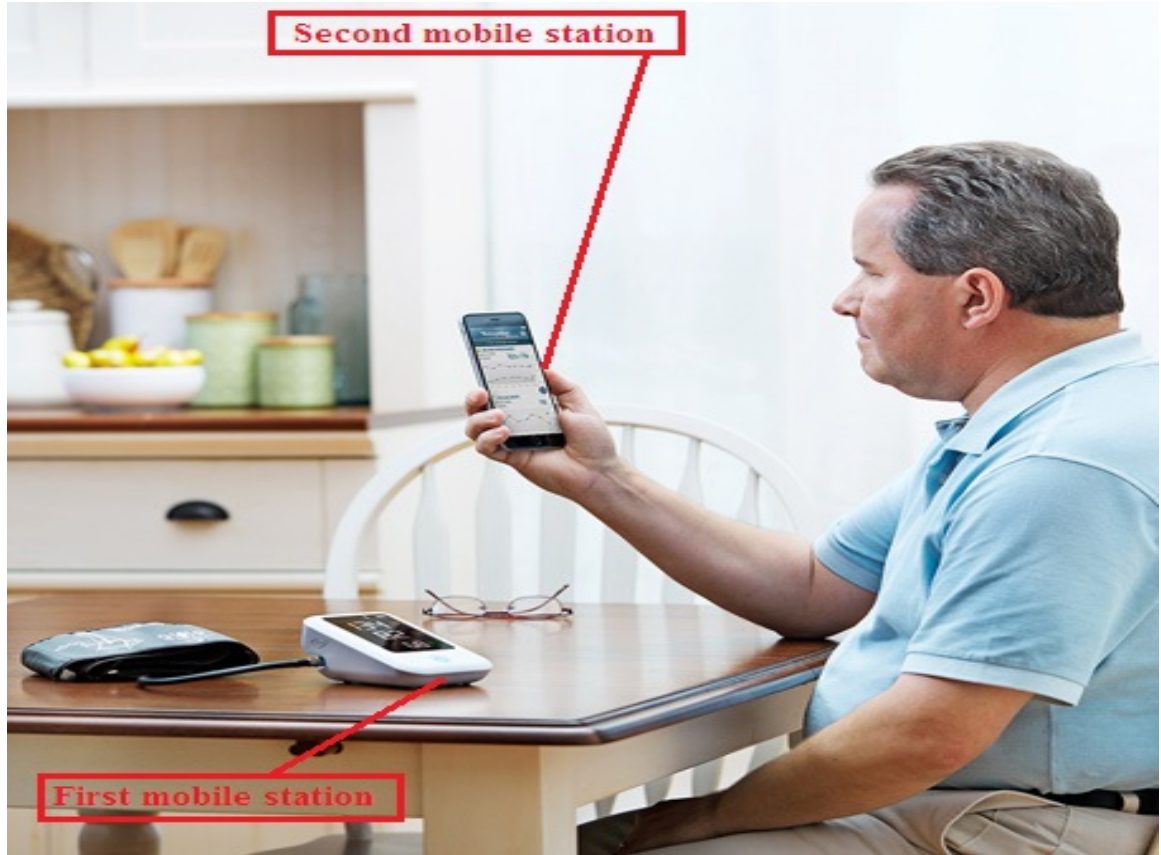
**iPhone Screenshots**



Available at: <https://itunes.apple.com/us/app/welch-allyn-home/id1132260651?mt=8>;  
webpage attached hereto as Exhibit F.

18. Welch Allyn sells, offers for sale in the United States, and imports into the United States, the app.

19. Welch Allyn’s app satisfies claim element 7(a): “a first mobile station.” For example, Welch Allyn’s app works on a mobile device. *See* Exs. C-E:



Available at: <https://www.welchallyn.com/en/products/categories/welch-allyn-home/connected-blood-pressure-monitors/home-bp-monitor.html>; webpage attached hereto as Exhibit G.

20. Welch Allyn’s app has a second mobile station. For example, Welch Allyn’s app work on mobile devices that communicate with each other via Bluetooth V4.0 low energy. *See* Exs. C-E, G.

21. Welch Allyn’s app satisfies claim element 7(b): “a second mobile station transmits a first request signal on a first sub-portion of the first portion of the RF band directly to the mobile station to request communications between the first mobile station and the second mobile station, establish, in response to receiving a first acknowledge signal from the second mobile station, a direct communication link between the first mobile station and the second mobile station on the first portion of the RF band, receive from the

second mobile station a public encryption key generated using a private encryption key associated with the second mobile station, generate a message containing a common encryption key (Ckey).” For example, Welch Allyn’s app selects a 2.4 GHz-2.4385 GHz range of the ISM band to carry communications between the mobile devices via Bluetooth V4.0 low energy. *See* Figures C-G.

22. Welch Allyn’s app satisfies claim element 7(c): “encrypt the message using the public encryption key to generate an encrypted message, may decrypt the encrypted message using the private encryption key and extract the Ckey, wherein, messages exchanged between the first and second mobile stations are encrypted using the Ckey.” For example, Welch Allyn’s app allows for data to be shared between devices. *See* Figures C-G.

23. Welch Allyn’s app satisfies claim element 7(d): “wherein the second mobile station is configured to transmit, in response to receiving the first request signal from the first mobile station configured to select a first portion of a radio frequency band (RF) to carry communications between the first mobile station and the second mobile station.” For example, Welch Allyn’s app selects a 2.402 GHz range of the ISM band to carry communications between the mobile devices via Bluetooth V4.0 low energy. *See* Exs. C-D.

24. Welch Allyn’s app satisfies claim element 7(e): “transmit a first request signal on a first sub-portion of the first portion of the RF band directly to the second mobile station to request communications between the first mobile station and the second mobile station, the first acknowledge signal on a second sub-portion of the first portion of the RF band directly to the first mobile station to acknowledge the first request signal.” For



example, Welch Allyn's app transmits a request signal on a double-sided spectrum with center frequency 2.402 GHz of the range of the ISM band directly to the mobile devices and establishes a direct communication link between the two mobile devices upon receiving a first acknowledgment signal from the second mobile station. *See* Exs. E-G.

25. **Induced Infringement.** Welch Allyn has also actively induced, and continues to induce, the infringement of at least claim 7 of the '095 Patent by actively inducing its customers, including merchants and end-users to use Welch Allyn's program in an infringing manner as described above. Upon information and belief, Welch Allyn has specifically intended that its customers use its program in a manner that infringes at least claim 7 of the '095 Patent by, at a minimum, providing access to, support for, training and instructions for, its program to its customers to enable them to infringe at least claim 7 of the '095 Patent, as described above. Even where performance of the steps required to infringe at least claim 7 of the '095 Patent is accomplished by Welch Allyn and Welch Allyn's customer jointly, Welch Allyn's actions have solely caused all of the steps to be performed.

26. Encoditech is entitled to recover damages adequate to compensate it for such infringement in an amount no less than a reasonable royalty under 35 U.S.C. § 284.

27. Encoditech will continue to be injured, and thereby caused irreparable harm, unless and until this Court enters an injunction prohibiting further infringement.

#### **JURY DEMAND**

28. Under Rule 38(b) of the Federal Rules of Civil Procedure, Encoditech respectfully requests a trial by jury on all issues so triable.

**PRAYER FOR RELIEF**

WHEREFORE, Encoditech asks this Court to enter judgment against Welch Allyn USA, Inc., granting the following relief:

- A. A declaration that Welch Allyn has infringed the Patent-in-Suit;
- B. A judgment that Welch Allyn accounts to Encoditech for all infringing activities and other conduct complained of herein;
- C. An award of damages to compensate Encoditech for Welch Allyn's direct infringement of the Patent-in-Suit;
- D. An order that Welch Allyn and its officers, directors, agents, servants, employees, successors, assigns, and all persons in active concert or participation with them, be permanently enjoined from infringing the Patent-in-Suit under 35 U.S.C. § 283;
- E. A declaration that this case is exceptional, and an award to Encoditech of reasonable attorneys' fees, expenses and costs under 35 U.S.C. § 285;
- F. An award of prejudgment and post-judgment interest; and
- G. Such other and relief as this Court or jury may deem proper and just.

Respectfully submitted,

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