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§ 101 Federal Circuit Case Report



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CardioNet v. InfoBionic (Apr. 17, 2020) (Dyk^{DIP-CIP}, Plager, Stoll*)

U.S. Patent No. 7,941,207: "Cardiac Monitoring"

- Permits doctor to distinguish atrial fibrillation and atrial flutter from other cardiac arrhythmias.
- "[A]nalyz[es] the beat-to-beat *timing* for atrial fibrillation or atrial flutter while also taking into account the *variability in the beat-to-beat timing* caused by premature ventricular beats."
- As a consequence, can detect atrial fibrillation and flutter with "sensitivity to in excess of 90% and a positive predictivity in excess of 96%."





CardioNet v. InfoBionic (Apr. 17, 2020) (rationale for eligibility)

U.S. Patent No. 7,941,207: "Cardiac Monitoring"

- Passes *Alice* step one: claims focus on a specific means or method that improves cardiac technology
- The '207 patent's written description identifies a number of advantages gained by the elements:
- "[N]o suggestion in the written description that doctors were 'previously employing' the techniques performed on the claimed device."
- The written description "confirms that the asserted claims are directed to a specific technological improvement –an improved medical device that achieves speedier, more accurate, and clinically significant detection of two specific medical conditions out of a host of possible heart conditions."

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