

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HUM INDUSTRIAL TECHNOLOGY, INC.

Petitioner

v.

AMSTED RAIL COMPANY, INC.

Patent Owner

Case IPR2023-00538

Patent No. 9,365,223

EXHIBIT 2014

DECLARATION OF JAY MONACO

AMSTED 2014
IPR2023-00538

1. I, Jay Monaco, declare as follows.

2. I am an employee of Amsted Rail Company (“Amsted”). I hold Bachelor of Mechanical Engineering and Master of Business Administration degrees from Cleveland State University, Cleveland, Ohio. I have worked in the railway supply industry for a total of 26 years and 7 months. I have been working for Amsted for nearly 27 years in total. My title is Vice President of Global Engineering. When Brent Wilson worked at Amsted, particularly during the time he invented the technology related to this proceeding, he directly reported to me.

3. I have reviewed a number of records which are cited in this declaration and are included with it as exhibits.

4. Throughout my time at Amsted, I have been made personally aware of, among other things, the product conception, research and development of new railcar monitoring technologies, including numerous condition and health monitoring initiatives.

5. **Exhibit 2015** is a copy of an email sent, by Brent Wilson, to Tom Petrunich, Paul Wike, Alan Averso, and Igor Aleynikov, with a CC to me, on March 18, 2010.

6. **Exhibit 2016** is a copy of an email sent, by Brent Wilson, to me, William LeFebvre, Matthew Lehmer, Doug Cummings, and Andrew Martin, on

March 24, 2010, with attached pictures show notes attached to bearing adapter sidewalls of respective train cars that were augmented with our equipment.

7. **Exhibit 2019** is a copy of an email, dated March 31, 2010, by Brent Wilson to Ron Bury of SCT Logistics. CC'd to this email were me, Andrew Martin, Doug Cummings, and William LeFebvre. Attached to this email was a one page Word document that describes revised alarm stages that limit alerts sent to a locomotive terminal until actionable events occur. This document was written by Brent Wilson and Andrew Martin.

8. **Exhibit 2020** is a copy of an email, dated April 4, 2010, by Andrew Martin to Ron Bury of SCT Logistics. CC'd to the email were me, Doug Cummings, William LeFebvre, Brent Wilson, Rachel Adamec, and Susan Kefer. Attached to this email was a presentation titled "Railway Freight Wagon Bearing Monitoring Locomotive Alarms."

9. On April 6, 2010, Brent Wilson described, in an email sent to me, Doug Cummings, William Lefebvre, Andrew Martin, and Cameron Beange, his ideas on different stage temperatures in an email which was also sent to Ron Bury of SCT Logistics. **Exhibit 2023** is a copy of this email.

10. **Exhibit 2022** is a copy of an email, dated April 8, 2010, by William LeFebvre to Bob Cantwell. CC'd to the email were me, Brent Wilson, and John

Rudibaugh. Attached to this email was a presentation titled “Bearing Monitoring & Locomotive Alarm System.”

11. **Exhibit 2029** is a copy of an email, dated April 10, 2010, that I sent to Brent Wilson and others at Amsted, attaching the March 2010 ARX Engineering Status report.

12. **Exhibit 2035** is a copy of an email, dated May 5, 2010, that I sent to Brent Wilson and others at Amsted, attaching the April 2010 ARX Engineering Status report.

13. **Exhibit 2045** is a copy of an email, dated June 3, 2010, that I sent to Brent Wilson and others at Amsted, attaching the May 2010 ARX Engineering Status report.

14. **Exhibit 2048** is a copy of an email, dated July 12, 2010, that I sent to Brent Wilson and others at Amsted, attaching the June 2010 ARX Engineering Status report.

15. **Exhibit 2049** is a copy of an email, dated July 19, 2010, from Brent Wilson to employees of Amsted Rail, in which I was CC’d.

16. **Exhibit 2053** is a copy of an email, dated August 9, 2010, that I sent to Brent Wilson and others at Amsted, attaching the July 2010 ARX Engineering Status report.

17. **Exhibit 2080** is a copy of an email, dated September 9, 2010, that I sent to Brent Wilson and others at Amsted, attaching the August 2010 ARX Engineering Status report.

18. **Exhibit 2112** is a copy of an email, dated January 10, 2011, that I sent to Brent Wilson and others at Amsted, attaching the December 2010 ARX Engineering Status report.

19. **Exhibit 2154** is a copy of an email sent by Andrew Martin to me, Brent Wilson, Doug Cummings, and William LeFebvre. Attached to this email was a report for SCT Logistics.

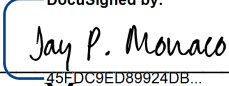
20. **Exhibit 2149** is a copy of an email dated December 18, 2009 sent by William Lefebvre to myself, Brent Wilson, and copied to Glenn Baker. This email forwarded an email from Glenn Baker to Andrew Martin, Susan Kefer, Rachel Adamec, Mike Gaynor, Matthew Lehmer, Brandon Yates, William Lefebvre, Julie Harvey, and Marjorie Worthington. Attached to this email is a document called SCT Notes 2 showing a task list for the SCT trial.

21. **Exhibit 2162** is a copy of an email dated December 21, 2009 sent by Matthew Lehmer to William Lefebvre, Glenn Baker, Brent Wilson, and me. Mike Gaynor and Andrew Martin were CC'd on this email. Attached to this email was a draft test plan for the SCT trial.

22. **Exhibit 2165** is a copy of an email, dated February 4, 2010, that I sent to Brent Wilson and others at Amsted, attaching the January 2010 ARX Engineering Status report.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Executed 11/02/23 at Granite City, Illinois.

DocuSigned by:

45FDC9ED89924DB...
Jay Monaco