DESIGN RESEARCH ENGINEERING
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MATTHEW FYIE, M.S.M.E.

Senior Engineering Consultant

PROFESSIONAL SPECIALIZATION

Matthew Fyie has more than 30 years of experience in automotive design, product development, product testing, reliability, and safety. While working in the automotive industry he conducted a wide range of analytical research leading to developments in transmission and driveline systems.

EDUCATION

M.S., Mechanical Engineering, University of Michigan, Dearborn, Michigan
B.S., Mechanical Engineering, GMI Engineering and Management Institute, Flint, Michigan
Traffic Crash Investigation and Reconstruction, Northwestern University, Center for Public Safety

PROFESSIONAL EXPERIENCE

Design Research Engineering, Novi, Michigan, May 2024 – Present
- Senior Engineering Consultant

Ford Motor Company
- Design Analysis Engineering
  - Technical Leader, 2022 - April 2024
  - Design Analysis Manager, 2017 - 2022
  - Design Analysis Engineer, 2012 - 2017
- Transmission and Driveline Engineering
  - Park Systems and Sensors, Supervisor, 2005 - 2012
  - Shift Systems, Product Design Engineer, 2004 - 2005
  - 5R110W Transmission Systems, Calibration Engineer, 2001 - 2004
  - Park Systems, Product Design Engineer, Product Design Engineer, 1998 - 2001
  - Ford College Graduate Program, Engineer, 1997 - 1998
  - TDE, V-Engine, College Co-Op Program, 1992 - 1997

PROFESSIONAL AFFILIATIONS

Member - Society of Automotive Engineers

PATENTS

US-9200707-B2: Control of automatic transmission shift by wire range selection
US-9157970-B2: Method and apparatus for preventing contamination from affecting magnetic field sensors
US-8897978-B2: Method and system for providing a neutral hold mode in shift-by-wire transmission
US-8688339-B2: Method and system for providing a neutral tow mode in shift-by-wire transmission
US-8560193-B2: Range shifting of an automatic transmission
US-8515635-B2: Method and system for providing a brake transmission shift interlock override mode in a shift-by-wire transmission
US-6279713-B1: Parking pawl assembly