

3D Printing Diagnostics and Control

SUMMARY

The University of Texas at El Paso seeks a partner for licensing 3D printing diagnostics and control technology that recognizes and corrects flaws during additive manufacturing processes.



TECHNOLOGY

The implementation of the disclosed diagnostic and control method enables the material extrusion 3D printing process to detect manufacturing flaws and correct them during them in-situ. Current additive manufacturing (or 3D printing) technologies do not include closed-loop control and have limited monitoring tools.

ADVANTAGES

- Closed-loop control
- Improved monitoring tools
- Detect and correct manufacturing flaws during in-situ



APPLICATION

- Automotive
- Aerospace
- Consumer Electronics
- 3D Printed Electronics

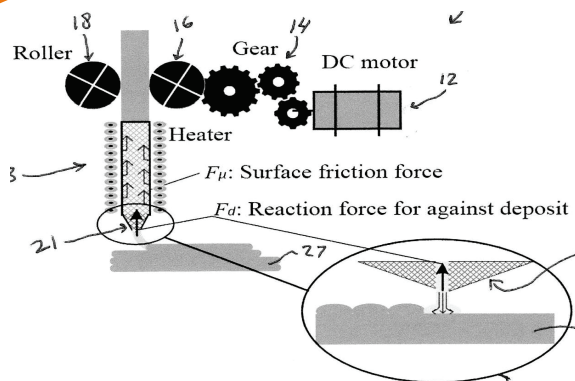



Figure: Motor system to monitor and control a material deposition process

INVENTORS

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PATENT STATUS

Patent Pending