



TECHNOLOGY AVAILABLE FOR LICENSING

Use of Digital Mazes as a Game to Enhance Learning in Educational Settings

Patent Application #11/881,511

Inventors: Don O'Malley

Invention Details:

This digital maze game helps users learn and retain large amounts of factual information in any academic discipline with ease. In this game, users navigate through a maze without being provided with immediate feedback on their choices. The players must exert intellectual effort and judgment to determine where they went off-path, pushing them to evaluate all their preceding choices in greater depth. This novel educational software stands out from currently available multimedia through an intelligent design based on principles of statistics and cognitive psychology, enabling users to acquire facts in an entertaining and challenging way in less time. Mazes can be made of arbitrary difficulty, and are easily generated using common software applications (e.g. PowerPoint), allowing easy customization for any academic field.

Benefits of the Invention:

Publishers:

- Creates competitive advantage in textbook sales
- Easily programmable
- Adaptable to any academic or technical discipline

Instructors:

- Breaks up mundane classroom routine
- Easy homework assignment
- Increases passing rate and test scores

Students:

- Motivational
- Fun
- Boosts attention levels
- Promotes retention of information

The Bottom Line:

Alternative learning tools such as e-books and podcasts have gained popularity in recent years, but an unmet need still exists for an effective educational tool that facilitates the acquisition of a large factual base. The maze-type game caters to this need by making learning of dry factual information a fun experience, and benefits groups as diverse as universities, corporate trainers, and government organizations.

For More Information:

Please contact:

Susan Riley Keyes, PhD, JD
 Division of Technology Transfer
 Northeastern University
 360 Huntington Ave, 960 RP
 Boston, MA 02115-5000

or

Don O'Malley, PhD
 Department of Biology
 Northeastern University
 360 Huntington Avenue, 134 MU
 Boston, MA 02115-5000

Phone: 617-373-8810

Fax: 617-373-8866

Email: s.keyes@neu.edu

Phone: 617-373-2284

Fax: 617-373-3724

Email: d.omalley@neu.edu