



AUTOMATIC FEEDBACK OF STUDENT WORK USING SMARTPENS

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OTHER INFORMATION

KEYWORDS

Education, Smartpens, Students,
Learning, Online classes

CATEGORIZED AS

- ▶ **Computer**
 - ▶ Other
- ▶ **Sensors & Instrumentation**
 - ▶ Analytical
 - ▶ Physical Measurement
 - ▶ Position sensors
 - ▶ Scientific/Research

RELATED CASES

2013-588-0

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,269,258	04/23/2019	2013-588

BRIEF DESCRIPTION



With school budgets tightening and class sizes increasing, less resources are available for educators to assess the learning of their students. Online education offers the potential to address these concerns, but the inability to quickly and easily assess student performance and provide feedback to a large audience of students, holds back this resource.

FULL DESCRIPTION

Smartpens (from Livescribe) are digital pens that record your work at the time and sequence it was written. By applying proprietary data mining techniques and methods, we can automatically assess and distinguish between successful and unsuccessful students. This technology enables educators to detect students who are at risk of failure so they can target additional instructional resources to those students. Most exciting, this technology allows educators to automatically grade student's homework and exams without lifting a red pen.

ADVANTAGES

- ☐ Real-Time instructional analytics and feedback to parents and educators.
- ☐ Instantaneous assessment of what teaching techniques are working for each individualized student.
- ☐ Automatically grade student's homework and examinations.

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