

LICENSING ASSOCIATE: _____	STANFORD UNIVERSITY INVENTION AND TECHNOLOGY DISCLOSURE	SU CASE NO. <hr/> SPIDERS NO.
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COMPLETE ITEMS 1-6

1. TITLE OF INVENTION
AN Acoustical BRASS MIDI Instrument with a Novel Pitch Detection Device

2. INVENTOR(S) <i>PERRY COOK</i> <i>DEXTER MORRILL</i>	POSITION <i>PhD Student/Research Ass't</i> <hr/> <i>Professor of Music</i>	DEPARTMENT <i>Stanford University/EE-Music</i> <hr/> <i>Colgate University</i>
3. CONTRACT OR GRANT NO.	SPONSOR	PRINCIPAL INVESTIGATOR

4. EVENTS	DATE	REFERENCES & COMMENTS (Use Separate Sheet if Necessary)
A. Initial Idea	<i>7.87</i>	
B. First description of complete invention, oral or written (conception)*	<i>5.11.89</i>	<i>CCRMA Affiliates Meeting</i>
C. First successful demonstration, if any (first actual reduction to practice)*	<i>11.30.88</i>	<i>Kansas State University Concert</i>
D. First publication containing full description of invention (establishment of publication bar)*		
E. External oral disclosures	<i>6.9.89</i>	<i>NCSA/SAN Jose Univ. - Demo Only</i>

5. ATTACH DESCRIPTION OF INVENTION
1. A MIDI Interface Design for a Standard B♭ Trumpet
2. BRASS Instrument Pitch Detection using Valve information and Biological Signals from

6. INVENTION SUBMITTED BY:	INVENTION DISCLOSED AND UNDERSTOOD BY: <i>The Lips</i>
_____ Inventor's Signature Date	_____ Witness' Signature** Date
_____ Co-Inventor's Signature Date	Reviewed by:
_____ Co-Inventor's Signature Date	_____ OTL Licensing Associate Date
_____ Co-Inventor's Signature Date	* See instructions on back. **Please have PI sign if PI is not an inventor.

INSTRUCTIONS

The purpose of this Invention Disclosure is to record what was invented and the circumstances under which the invention was made. It provides the basis for a determination of patentability and the data for drafting a patent application. It is a legally important document which should be read carefully before completing.

An Invention Disclosure should be made when something new and useful has been conceived or developed, or when unusual, unexpected, or unobvious research results have been achieved and can be utilized.

The following instructions apply to the correspondingly numbered sections on the reverse side:

1. Use a brief title, sufficiently descriptive, to aid in identifying the invention.
2. Include the names of any co-inventors. A co-inventor is an individual who has conceived an essential element of the invention either independently or jointly with others, during the evolution of the invention concept.
3. Give the full applicable contract or grant number(s) if the invention was made in connection with any sponsored research.
4. In recording the history of the invention, give particular attention to the legally important events of conception (4B), the first actual reduction to practice (4C), and the establishment of a publication bar (4D). (In the United States a patent application must be filed no later than one year after publication describing the associated invention. In most other countries, filing must take place before publication.)
5. In describing the invention, attach material which covers the following points:
 - a. General purpose of invention;
 - b. Technical description of invention;
 - c. Advantages and improvements over existing methods, devices, or materials;
 - d. Possible variations and modifications;
 - e. Features believed to be new; and
 - f. Close or related patents (if known)
6. Arrange for signing by a witness who has read and understood the Invention Disclosure.

NOTE: An Invention Disclosure must be prepared and submitted for each invention *conceived or first actually reduced to practice* under a University contract or grant with patent terms.

GENERAL INFORMATION

An invention is a novel and useful idea relating to processes, machines, manufactures, and compositions of matter. It may cover such things as new or improved devices, circuits, systems, chemical compounds, drugs, etc.

To be patentable, the invention must not be obvious to a worker with average skills in that particular technology. In addition, it must not have been used by others in this country, or patented or described in a printed publication anywhere, prior to the date of conception.

For general information, see University Guide Memos 75, 76 and 77.

Please submit completed disclosure

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