

RECORD AND DISCLOSURE OF INVENTION

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NAVY CASE NO.

INSTRUCTIONS: A Navy employee should use this form when submitting an invention disclosure to the Department of the Navy. Fill in each blank with the requested information or enter "NONE" as appropriate. Original and two copies should be printed or typed and forwarded to the intellectual property office responsible for providing services to your activity. Where space on this form is inadequate, enter "see attached page." use plain pages as needed, and identify item by number. When completely executed, this form becomes an important legal document useful in proving priority of invention. This form may also be used by a contractor or grantee for disclosing an invention to the Navy.

PART 1. RECORD OF INVENTION

1. INVENTOR(S)	ADDRESS	POSITION TITLE	EMPLOYER (Activity & Code No., or Company address)
Roger Cortesi	1 Merrill Crossing Bow, NH 03304	Naval Officer (Ensign)	US Navy
Alex Slocum	Room 3-445 77 Massachusetts Ave. Cambridge, MA 02139	Professor of Mechanical Engineering	Massachusetts Institute of Technology Mechanical Engineering Department

2. DESCRIPTIVE TITLE OF INVENTION

Double "L" Base Structure for Machine Tools

3. CONCEPTION, INITIAL RECORDS AND RESULTS OF FIRST MODEL

a. EARLIEST DATE AND PLACE INVENTION WAS CONCEIVED (Identify persons and records to support date and place)

21 Nov 2000, Charleston SC. Professor Slocum was shown drawings on this date

b. DATE AND PRESENT LOCATION OF FIRST SKETCH, DRAWING OR PHOTO AND FIRST WRITTEN DESCRIPTION (Such as notebook entries etc.)

9 May 2001 the drawings, sketches, computer analysis/models are stored on ENS Cortesi's Laptop

c. DATE AND PLACE OF COMPLETION OF FIRST MODEL, PROTOTYPE, PRELIMINARY SYNTHESIS, FORMULATION, ETC., AND ITS PRESENT LOCATION

No prototype has been built as of 9 May 2001

d. DATE AND PLACE OF FIRST TEST OR OPERATION AND THE RESULTS (Give name and address of witnesses, and present location of records)

No prototype has been built as of 9 May 2001

4. OTHER RECORDS (Notebook entries, descriptions, reports, drawings, etc.)

IDENTIFICATION	DATE OF DOCUMENT	PRESENT LOCATION
366 Megabytes of sketches, CAD models, Finite Element Analysis, spreadsheets, and computations	10 OCT 00 through Present	ENS Cortesi's laptop

5. OTHER INDIVIDUALS TO WHOM INVENTION WAS DISCLOSED

NAME	ACTIVITY OR COMPANY INDIVIDUAL REPRESENTS	DATE DISCLOSED	TYPE (oral or written)
Dan Soroka	Hardinge Industries	After 1 MAR	Secure web site and oral
Mehen Patel	Hardinge Industries	After 1 MAR	Secure web site and oral
Ken English	Timken	After 1 MAR	Secure web site and oral
Rosendo Fueuen	Timken	After 1 MAR	Secure web site and oral
Reg Maas	Coors	After 1 MAR	Secure web site and oral
John Olson	OMAX	After 1 MAR	Secure web site and oral

5. DATE AND PLACE OF OTHER TESTS OR OPERATIONS, AND THE RESULTS (List name and address of witnesses and identify present location of records)

6. IDENTIFY ANY PAST, PRESENT OR CONTEMPLATED USE, SALE, OR PUBLICATION OF THE INVENTION

This invention will be published at part of my PhD in Mechanical Engineering from MIT.
We intended to try to get the companies listed above to fully sponsor the research and develop the product for their markets

7. LIST ANY CLOSELY RELATED PATENTS, PATENT APPLICATIONS AND PUBLICATIONS OF YOUR OR OTHER PERSONS

PART II. DISCLOSURE OF INVENTION

Attach on separate sheets of paper a full and complete description of the invention, using the outline given below.

- a. PURPOSE. State the purpose of the invention.
- b. BACKGROUND. Describe the old methods, materials or apparatus used to perform the purpose of the invention and give their limitations and disadvantages.
- c. DESCRIPTION AND OPERATION. Describe clearly and completely the best mode of the invention and give a detailed description of its operation and use. Sketches, prints, photos, or other illustrations should be attached. In the description, use reference characters to refer to components in attached illustrations.
- d. ADVANTAGES AND NEW FEATURES. State the advantages of the invention over the old methods, materials or apparatus described in paragraph b above, and the features believed to be new.

PART III. CERTIFICATION OF INVENTORS

I certify that the invention disclosed herein and in the attached documents is the sole joint invention of the undersigned and that statements and answers are true to my best knowledge and belief.

Date	Signature
Date	Signature
Date	Signature
Date	Signature

PART IV. CERTIFICATION OF WITNESSES

I certify that the invention described herein and in the attached documents has been disclosed to and understood by me.

Date	Signature	Business Address
Date	Signature	Business Address