INVENTION REPORT AND RECORD

INVENTOR(S):
Name Barbara E. Tha Cenfeld Position Recombinant DNA
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Name Kenneth H. Johnston Position Director-Cell Beology Home Address 95 Horatio St. NYNY Telephone 675-0086
Home Address 95 Horatio St. NYNY Telephone 675-0086
[Include additional names and addresses on a separate sheet.]
DESCRIPTIVE TITLE OF INVENTION:
Binding of Mucluic Acids to polystyrene matrices for use as a template for in vitro higher desafeon and subsequent detection. GRANT/CONTRACT (If any):
matrices for use as a template for in VITC
GRANT/CONTRACT (1f any):
SponsorAward Number
Principal Investigator
LAB/DEPARTMENT WHERE DEVELOPED:
Recombinant DVA / Cell Biology & Immunology
DESCRIPTION OF INVENTION:
A. State, as fully as possible, what the invention is, including: materials or components used; operative and preferred ranges of process parameters and concentrations of chemical compounds; and foreseeable uses of the invention.
Micloic acids can be bound to polystyrene. matrices and can then serve as templales for
matrices and can then serve as templaces for
hybrideration of suitably labellod probes to circumstent the convergement, of polestypene from various sources, addehox of amino substituted
from Naciones Douces, adderox of amino pubstr reted
result in a uniform birdeng from batch to
botch. The extent of hijorediscition lande to action
hydrophobic polymers (eg. duode cade centent) will result in a uniform birdeng from barch to botton. The extent of higherdescetros some bee setermenal by a sequential antibode, engine selection, and ensumer agricult, monitored colorimetricully.



The presence of specific senome.



B.	Records Supporting Invention. Identify records which establish dates of conception and reduction to practice, including identity of person who prepared record and its present location. Attach copies if possible. Note additional supporting evidence. If the invention or a significant aspect of the invention is not supported by written records, briefly describe how the date of invention can be established and identify earliest written record.
	Notebook-
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C.	Fill in the following dates:
,	1. Conception 2/22/82
	2. First disclosure to another 22/82
	3. First written record $\frac{5/26/82!}{}$
	4. First experiment demonstrating the invention $\frac{5/26/82}{}$
D.	This invention is a(n): process chemical compound
	This invention is a(n): process chemical compound electronic circuit mixture of chemical compounds
	apparatus therapeutic method other
E.	This invention is useful as a deagnostic method
	odetect infectious particles
F.	The problem which this invention solves is great tocker of invito vucleic acid hybridezation
	of mviko vucleic acid hybridezation
	V. O

PRIOR ART:

"Prior art" is any apparatus, description, publication or communication which pertains to the area or field of the invention and which description, publication or communication occurred or was made prior to the date of conception of the invention by the inventor(s).

Α.	The	prior	art	most	relevant	to	the	area	or	field	of	the	invent	ion
	is:	ume l	inK	ed i	mmun	05	orl	bent	- 0	k85Ae	1	(E	USA))
		1									1			

R.	This invention	differs	from	the	prior	art	specified	in	Par.	A	in
	the following	wavs or I	nanne	::							
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	ouclec ac	the te	np	la	C.	Mil.					

C.	This invention	provides	the	following	advantages	over	the	prior
•	art specified	in Par. A	:		- 1			

Ruclec	acid as	timplate	
1000000			

DISCLOSURE OF INVENTION:

Has the invention or any product derived therefrom been:

- 1. Described in a printed publication? NO Date
- 2. Described in an oral presentation? _____ Date_____
- 3. Sold, offered for sale, or used in public? ______ Date____
- 4. Are any of 1 through 3 contemplated in the near future and, if so, when?

5. If the answer to any of 1 through 4 is yes, provide detailed information, including copies of manuscripts, published articles, abstracts, etc.

CONTACTS/AGREEMENTS WITH COMMERCIAL CONCERNS (include name of person contacted and copies of pertinent agreements)

SIGNATURE OF INVENTOR(S)

Witnesses: Disclosed to and understood by me:

Date: Signature:

