FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

07-19-2002



U.S. Department of Commerce Patent and Trademark Office **PATENT** 

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Name (line 1)	Christoph Geo	rg Erben				06 24	2002
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Second Party	····					Execution Month D	
Name (line 1)	Valerie Jeanr	ie Kuck				06 29	
Name (line 2)							
Receiving P	<del></del>			Mark if	additional names o	f receiving parties atta	ched
Name (line 1)	Lucent Technol	logies, Inc.				If document t is an assignr receiving part	nent and th
Name (line 2)	a Corporation	of Delaware	е			domiciled in t States, an ap of a domesti	he United pointment
Address (line 1)	600 Mountain	Avenue				representativ (Designation	e is attache must be a
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**PATENT** 

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FORM PTC Expires 06/30/99 OMB 0651-0027	)-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT				
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If this document is signed by the firs	s being filed together with a <u>new</u> Patent Ap <sub>l</sub> t named executing inventor.	plication, enter the date the patent application was	Month         Day         Year           06         24         2002				
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	r PCT application number	PCT PCT	PCT				
	<u>if</u> a U.S. Application Number <sub>PC</sub> not been assigned.	TPCT	PCT				
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	payment by deposit account or if additional	fees can be charged to the account.) sit Account Number: #					
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.							
Richar	rd D. Krobusek	had Olehaid	07/02/2002				
Name	of Person Signing	Signature	Date				

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## **ASSIGNMENT**

For value received, we, Christoph Georg Erben, a citizen of German and resident of Berkeley Heights in the County of Union and the State of New Jersey, and Valerie Jeanne Kuck, of Upper Montclair in the County of Essex and the State of New Jersey, hereby sell, assign and transfer to Lucent Technologies, Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "A WAVEGUIDE AND APPLICATIONS THEREFOR" described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies, Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

PATENT REEL: 013088 FRAME: 0576 06/24/2002

Christoph Georg Erben

STATE OF MEN Jewsey	§
COUNTY OF UNION	<b>§</b>

On this 2 4 day of 3 day of 3, 2002, before me personally came Christoph Georg Erben, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

My Commission Expires:

FRANCES J. LEVINE
Notary Public of New Jersey, USA
Registered in Middlesex County
My Commission Expires July 30, 2003

Valerie Jeanne Kyck

COUNTY OF Essert

On this 24 day of 5000, 2002, before me personally came Valerie Jeanne Kuck, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

My Conchriguing Expires:
NOTARY PUBLIC OF NEW JERSAY
Commission Expires 9/17/2013

Lucent Technologies, Inc. 600 Mountain Avenue (Room 3C-512) P.O. Box 636 Murray Hill, New Jersey 07974-0636

**RECORDED: 07/02/2002** 

3