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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

NORMAN N. SPAIN, REG. 17,846 Name of Person Signing 00 ASCOTT 00000171[14

Date

assign to U.S. Ph	ilips Corporation (hereinafter "A	Assignee") a corporation existing under	the laws of the State of
Ū	•	ne of the Americas, New York, NY 1002	•
-	application for a United States Pa		,
•	it with component" invented b	- · · · · · · · · · · · · · · · · · · ·	
is executed co	oncurrently herewith		
	by me/us on		
x is Serial No	09/491,628 filed Janua	ary 26, 2000	
		filed,	
	•		
and all rights in a	nd to said application, and all P	atents which may be granted therefor, as	nd all divisions, reissues,
continuations and	l extensions thereof, and authori	ze and request the Commissioner of Pat	ents and Trademarks to
issue all Patents of	on said improvements or resulting	ng therefrom to said Assignee as assigne	e of the entire interest and
covenant that I ha	ave full right so to do, and agree	that I will communicate to said Assigned	ee or its representatives
any facts known	to me respecting said improvem	ents and testify in any legal proceeding,	sign all lawful papers,
execute all division	onal, continuing and reissue app	lications, make all rightful oaths and ge	nerally do everything
possible to aid sa	id Assignee, its successors, assignee	gns and nominees, to obtain and enforce	proper protection for
said invention.			
	(aran nama hara)		Ai
Date	(sign name here) (print name here)	Morailro	, Assignor
Date	(print name nere)	Mareike K. KLEE	
	(sign name here)		, Assignor
Date	(print name here)	Hans-Wolfgang BRAND	
		. •	
	(sign name here)		, Assignor

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and

(print name here)

Uwe MACKENS

	(sign name here)		, Assignor
Date	(print name here)	Rainer KIEWITT	
March 15, 2000 Date	(sign name here) (print name here)	Antonius J. M.NELLISEN	, Assignor
Date	(sign name here) (print name here)	Antal F. J.BAGGERMAN	, Assignor
Date	(print name here)	Martin FLÜSTER	, Assignor
March 27, 2000 Date	(print name here)	Marc DE SAMBER	, Assignor

-	•	assignee") a corporation existing under the	,
		e of the Americas, New York, NY 10020	-1104, its successors
	*	atent for the improvements in a	
"Thin film circuit w	ith component" invented b	y us, which application:	
•			
is executed concu	rrently herewith		
	ne/us on		
x is Serial No09/.	491,628 filed Janu	ary 26, 2000	
		filed,	
•		,	
and all rights in and to	o said application, and all Pa	atents which may be granted therefor, and	all divisions, reissues.
<del>-</del>		ze and request the Commissioner of Pater	•
		g therefrom to said Assignee as assignee	
	-		
		that I will communicate to said Assignee	
-	<del>_</del>	ents and testify in any legal proceeding, si	
	, =	lications, make all rightful oaths and gene	
possible to aid said A	ssignee, its successors, assig	gns and nominees, to obtain and enforce p	roper protection for
said invention.		•	
	4		
	(sign name here)		, Assignor
Date	(print name here)	Mareike K. KLEE	
24.0	<b>,</b>	,	
			, Assignor
	(sign name here)	TT WAIGHT DRAND	<u>, ,</u>
Date	(print name here)	Hans-Wolfgang BRAND	
	•	•	

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and

Uwe MACKENS

(sign name here)

(print name here)

Date

, Assignor

	(sign name here)		, Assignor
Date	(print name here)	Rainer KIEWITT	
	(sign name here)		, Assignor
Date	(print name here)	Antonius J. M.NELLISEN	
March 23, 2000  Date	(sign name here)	Antal F. J.BAGGERMAN	, Assignor
Date	(print name here)	Martin FLÜSTER	, Assignor
		Marc DE SAMBER	, Assignor
Date	(print name here)	MISIC DE SAMDEN	

PATENT REEL: 010805 FRAME: 0118

March 7, 2000

Date

To good and valuable of	onsideration, or which is	acknowledge receipt, i, as a below-hamed as	signor, sen and
assign to U.S. Philips Co	orporation (hereinafter "A	Assignee") a corporation existing under the la	aws of the State of
Delaware, whose busines	ss address is 1251 Avenu	ue of the Americas, New York, NY 10020-11	104, its successors
and assigns, the applicati	ion for a United States Pa	atent for the improvements in a	
"Thin film circuit with	component" invented b	by us, which application:	
is executed concurrer	ntly herewith	,	
	us on		
		ry 26. 2000	
		filed,	
is international Appli	ication No	,	
continuations and extens issue all Patents on said is covenant that I have full any facts known to me reexecute all divisional, co	ions thereof, and authori improvements or resulting right so to do, and agree especting said improvement intinuing and reissue app	atents which may be granted therefor, and all ze and request the Commissioner of Patents ag therefrom to said Assignee as assignee of that I will communicate to said Assignee or ents and testify in any legal proceeding, signalications, make all rightful oaths and general gas and nominees, to obtain and enforce prop	and Trademarks to the entire interest and its representatives a all lawful papers, lly do everything
February 25, 2000	(sign name here)	Mareike K. KLEE	, Assignor
Date  March 3, 2000  Date	(sign name here)  (print name here)	Hans-Wolfgang Brand Hans-Wolfgang BRAND	, Assignor

(sign name here)

(print name here)

March 23, 2000	(sign name here)	Raine Kinst	, Assignor
Date	(print name here)	Rainer KIEWITT	
	(sign name here)		, Assignor
Date	(print name here)	Antonius J. M.NELLISEN	
	(sign name here)		, Assignor
Date	(print name here)	Antal F. J.BAGGERMAN	<del></del>
March 29, 2000		Mul Flat	, Assignor
Date	(print name here)	Martin FLEUSTER	
			, Assignor
Date	(print name here)	Marc DE SAMBER	

PATENT REEL: 010805 FRAME: 0120

**RECORDED: 05/12/2000**