PHNL 000294

Form PTO 1595 (Rev. 6-93)	102556		U.S. Dept. of Commerce Patent and Trademark Office
To the Commissioner for Patents:			
1. Name of conveying party(ies): Hugo Johan CORNELISSEN Hendrik Johannes Boudewij Dirk Jan BROER Cornelis Wilhelmus Maria Henri Marie Joseph BOOTS Rifat Ata Mustafa HIKMET Horst GREINER Additional name(s) of conveying pa Yes X No 3. Nature of conveyance: X Assignment Security Agreement Other Execution Date: AUGUST 19, 18,12, 27 2	9-22-03 n JAGT BASTIAANSEN arty(ies) attached? Merger Change of Terms 8, 12, 9,	2. Name and addres Name: Koninklijke Internal Addres Street Address: 5621 BA Eindhov	s of receiving party(ies): Philips Electronics N.V. s: Groenewoudseweg 1 en, The Netherlands (s) & address(es) attached? X No
4. Application number(s) or paten If this document is being file application, is A. Patent Application No.(s) 10/276,783	t number(s): d together with a n	ew application, the e B. Patent No. numbers attached?	
5. Name and address of party to w concerning document should be Name: Philips Electronics Nort Internal Address:	mailed:	involved:	applications and patents 1 FR 3.41)\$40.00
Street Address: P.O. BOX 3001 City: Briarcliff Manor State:	•	8. Deposit Account (Attach duplication by deposit account)	ate copy of this page paying
Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pa	d belief, the foregoinal document.	Ding information is to signature sheet, attachments, required cover sheet information	
BOPER 00000148 141270 10276783 40.00 BA		er for Patents gnments A 22313-1450	

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PATENT

REEL: 014504 FRAME: 0405

to Koninklijke Philips Electronics N.V. (hereinafter "Assignee") a corporation existing under the laws of the Kingdom of the Netherlands, whose business address is Groenewoudseweg 1, 5621 BA Eindhoven, the

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

Netherlands, its success	ors and assigns, the appl	ication for a United States Patent for the impr	ovements in a
"Polarized light-emitti	ing waveguide plate" in	vented by us, which application:	
is Serial No	/us on filed		,
continuations and extensissue all Patents on said covenant that I have full any facts known to me rececute all divisional, co	sions thereof, and author improvements or resulting right so to do, and agreement specting said improvement on tinuing and reissue appropriate in the same appropriate in the	Patents which may be granted therefor, and all ize and request the Commissioner of Patents and therefrom to said Assignee as assignee of the that I will communicate to said Assignee or tents and testify in any legal proceeding, sign plications, make all rightful oaths and generallings and nominees, to obtain and enforce prop	and Trademarks to the entire interest and its representatives all lawful papers, ly do everything
August 19, 2003 Date	(sign name here) (print name here)	Hugo Johan CORNELISSEN	, Assignor
Date	(sign name here) (print name here)	Hendrik Johannes Boudewijn JAGT	, Assignor
Date	(sign name here)	Dirk Jan BROER	, Assignor

	(sign name here)		, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria	
		BASTIAANSEN	
	(sign name here)		, Assignor
Date	(print name here)	Henri Marie Joseph BOOTS	
	(sign name here)		, Assignor
Date	(print name here)	Rifat Ata Mustafa HIKMET	
	(sign name here)		, Assignor
Date	(print name here)	Horst GREINER	

Date

For good and valuable	consideration, of which I a	acknowledge receipt, I, as a below-named assi	gnor, sell and assign
to Koninklijke Philips	Electronics N.V. (hereinaf	ter "Assignee") a corporation existing under the	he laws of the
Kingdom of the Nether	lands, whose business add	ress is Groenewoudseweg 1, 5621 BA Eindho	oven, the
Netherlands, its success	sors and assigns, the applic	cation for a United States Patent for the impro	vements in a
"Polarized light-emitt	ing waveguide plate" inv	vented by us, which application:	
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is executed concurr	ently herewith		
was executed by me	e/us on		
is Serial No	filed		
is International App	lication NoPCT/EP01/	05265filed19 May 2000	•••••
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and all rights in and to	said application, and all Pa	atents which may be granted therefor, and all	divisions, reissues,
continuations and exter	sions thereof, and authori	ze and request the Commissioner of Patents a	nd Trademarks to
	•	g therefrom to said Assignee as assignee of the	
	•	that I will communicate to said Assignee or it	
		ents and testify in any legal proceeding, sign a	-
-		lications, make all rightful oaths and generally	• • •
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mi v Cintilolli.			
	(sign name here)		, Assignor
Date	(print name here)	Hugo Johan CORNELISSEN	
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August 08, 2003	(sign name here)		, Assignor
Date	(print name here)	Hendrik Johannes Boudewijn JAGT	-

Dirk Jan BROER

(sign name here)

(print name here)

, Assignor

	(sign name here)		, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria	
		BASTIAANSEN	
	(sign name here)		, Assignor
Date	(print name here)	Henri Marie Joseph BOOTS	
	(sign name here)		, Assignor
Date	(print name here)	Rifat Ata Mustafa HIKMET	
	(sign name here)		, Assignor
Date	(print name here)	Horst GREINER	

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(print name here)

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Kingdom of the Netherla	ands, whose business add	ress is Groenewoudseweg 1, 5621 BA Eindho	ven, the
Netherlands, its successor	ors and assigns, the appli	cation for a United States Patent for the improve	rements in a
		vented by us, which application:	
is executed concurre	ntly herewith		
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continuations and extens	sions thereof, and authori	ze and request the Commissioner of Patents an	d Trademarks to
issue all Patents on said	improvements or resultir	ng therefrom to said Assignee as assignee of the	e entire interest and
	_	that I will communicate to said Assignee or its	
		ents and testify in any legal proceeding, sign a	
-		lications, make all rightful oaths and generally	
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invention.	, ,		-
	(sign name here)		, Assignor
Date	(print name here)	Hugo Johan CORNELISSEN	
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	(sign name here)		, Assignor
Date	(print name here)	Hendrik Johannes Boudewijn JAGT	
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August 12, 2003	(sign name here)	Dich Blue	, Assignor
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For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign

	(sign name here)		, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria	
		BASTIAANSEN	
	(sign name here)		, Assignor
Date	(print name here)	Henri Marie Joseph BOOTS	
	(sign name here)		, Assignor
Date	(print name here)	Rifat Ata Mustafa HIKMET	
	(sign name here)		, Assignor
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''Polarized light-	emitting waveguide plate" inv	ented by us, which application:	
is executed co	ncurrently herewith		
was executed	by me/us on		
_	filed		
is Internationa	al Application NoPCT/EP01/6	05265filed19 May 2000	,
continuations and issue all Patents of covenant that I had any facts known texecute all divisions.	extensions thereof, and authorized said improvements or resulting two full right so to do, and agree to me respecting said improvements, continuing and reissue applications.	tents which may be granted therefor, and all ze and request the Commissioner of Patents a g therefrom to said Assignee as assignee of the that I will communicate to said Assignee or it ents and testify in any legal proceeding, signa- lications, make all rightful oaths and generally one and nominees, to obtain and enforce proper	nd Trademarks to ne entire interest and ts representatives all lawful papers, y do everything
	(sign name here)		, Assignor
Date	(print name here)	Hugo Johan CORNELISSEN	
Date	(sign name here)	Hendrik Johannes Boudewijn JAGT	, Assignor
Date	(print name note)	Hondrik Johnnies Doudewijn JAO1	
	(cien mana ham)		Accionon
Data	(sign name here)	Did I. DDOED	, Assignor
Date	(print name here)	Dirk Jan BROER	

8-9-2003	(sign name here)	c Bartiaanen	, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria BASTIAANSEN	
Date	(sign name here) (print name here)	Henri Marie Joseph BOOTS	, Assignor
Date	(sign name here) (print name here)	Rifat Ata Mustafa HIKMET	, Assignor
Date	(sign name here)	Horst GREINER	, Assignor

ASSIGNMENT

For good and value of Koninklijke Ph		er "Assignee") a corporation existing under the	
_	_	ress is Groenewoudseweg 1, 5621 BA Eindho	
_		eation for a United States Patent for the improve	
•	-emitting waveguide plate" inv		
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invention.	iu Assignee, its successors, assign	gns and nonlinees, to obtain and enforce prope	protection for said
mvention.			
	(sion nama hara)		
Date	(sign name here)		, Assignor
	(print name here)	Hugo Johan CORNELISSEN	, Assignor
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	<u> </u>	Hugo Johan CORNELISSEN	, Assignor
	<u> </u>	Hugo Johan CORNELISSEN	, Assignor
Date	(print name here)	Hugo Johan CORNELISSEN Hendrik Johannes Boudewijn JAGT	
Date	(print name here)		
Date	(sign name here) (print name here) (print name here)		, Assignor
Date	(print name here)		

	(sign name here)		, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria	
		BASTIAANSEN	
Jugust 18, 2003 Date	(sign name here)	11/17	, Assignor
Date	(print name here)	Menri Marie Joseph BOOTS	
	(cian nama hara)		, Assignor
Date	(sign name here) (print name here)	Rifat Ata Mustafa HIKMET	, Assignor
	(sign name here)		, Assignor
Date	(print name here)	Horst GREINER	

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continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to
issue all Patents on said improvements or resulting therefrom to said Assignee as assignee of the entire interest and
covenant that I have full right so to do, and agree that I will communicate to said Assignee or its representatives
any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers,
execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything
possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said
invention.

	(sign name here)		, Assignor
Date	(print name here)	Hugo Johan CORNELISSEN	
	(sign name here)		, Assignor
Date	(print name here)	Hendrik Johannes Boudewijn JAGT	
	(sign name here)		, Assignor
Date	(print name here)	Dirk Jan BROER	

	(sign name here)		, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria	
		BASTIAANSEN	
	(sign name here)		, Assignor
Date	(print name here)	Henri Marie Joseph BOOTS	
August 12, 2003	(sign name here)	Hal Hil	, Assignor
Date	(print name here)	Rifat Ata Mustafa HIKMET	
	(-:		Aggignor
	(sign name here)	and the second s	, Assignor — –
Date	(print name here)	Horst GREINER	

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	(sign name here)		, Assignor
Date	(print name here)	Cornelis Wilhelmus Maria	
		BASTIAANSEN	
	(sign name here)		, Assignor
Date	(print name here)	Henri Marie Joseph BOOTS	
	(sign name here)		, Assignor
Date	(print name here)	Rifat Ata Mustafa HIKMET	
August 27, 2003	(sign name here)	Rand le	, Assignor
Date	(print name here)	Horst GREINER	

RECORDED: 09/22/2003