08-14-2002



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AYMOND J. GROVER dditional name(s) of conveying partitached? Yes X No Nature of conveyance: X Assignment	Name: K Internal Street A NL-5621 Addition Merger hange of Terms	address of receiving party(ies): oninklijke Philips Electronics N.V. Address: ddress: Groenewoudseweg 1 BA Eindhoven The Netherlands al name(s) & address(es) attached? Yes X No	
If this document is being filed oplication, 7/17/2002; 7/17/2002; 7/17/2002; A. Patent Application No.(s)	7/18/2002.	atent No.(s)	
Name and address of party to who rrespondence concerning docume iled:		per of applications and patents	
Name: Philips Electronics North Corporation Internal Address:	7. Total fe	7. Total fee (37 CFR 3.41)\$40.00 Enclosed X Authorized to Deposit According	
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Statement and signature.	belief, the foregoing information	A	

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PATENT REEL: 013178 FRAME: 0208

ASSIGNMENT

For good and valuable consideration, of which I acknowledge receipt, I, as a belownamed assignor, sell and assign to KONINKLIJKE PHILIPS ELECTRONICS N.V. (hereinafter
"Assignee") a corporation existing under the laws of THE NETHERLANDS, whose business
address is Groenewoudseweg 1, NL-5621 BA Eindhoven, The Netherlands, its successors and
assigns, the application for a United States Patent for the improvements in "TRENCH-GATE
SEMICONDUCTOR DEVICES AND THEIR MANUFACTURE" invented by us, which
application is executed concurrently herewith, and all rights in and to said application, and all
Patents which may be granted therefor, and all divisions, reissues, 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.

1, 5	Subscribed and executed at _	STOCK PORT	, uk
17/1/02	Subscribed and executed at 1 (sign name here)	Levent Peake	· , Assignor
	(print name here)	Steven T. PEA	KE
salat S	Subscribed and executed at 2 (sign name here)	STOCKPORT,	UK
17/7/02	2 (sign name here)	G. Petkos	, Assignor
	(print name here)	Georgios PETK	KOS
/ ^S	Subscribed and executed at	STOCK	PORT, UK
17/7/0	Subscribed and executed at	& Rules	, Assignor
Date	(print name here)	Philip RUTTE	R
, S	Subscribed and executed at) Shockep	NF UK
18/7/0	Subscribed and executed at (2.4 (sign name here)	aymond I	JE, UK . GroveAssignor
Date	(print name here)	Raymond J. GI	

1,2,3,4 - Sign exactly as printed name. Printed name to be identical to name in Application Declaration.

RECORDED: 08/06/2002

REEL: 013178 FRAME: 0209