Form PTO -1619A Expires 06/30/99 OMB 0651-0027		08-30-2000				U.S. Department of Commerc Patent and Trademark Office PATENT		
101	- 101 - 101	RECORDA 05 d	TL	10144 NTS ONLY	16368 7	3		
1:51	TO: The Commission	To a of Dotonto and Trade	AIE	Discount di	L		44.	
Cubas	TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).							
Submi (X)	ssion Type New		(X)	eyance Type Assignment	()	Security A	greement	
()	Resubmission (Non-F Document ID#	Recordation)	()	License	()	Change of	Name	
()	Correction of PTO E		()	Merger	()	Other		
()	Reel # Frame #		U.S. Government (For Use ONLY by U.S. Government Agencies)					
()	Corrective Document Reel # Frai	ne #	() Departmental File () Secret File					
Conve	Conveying Party(ies) () Mark if additional names of conveying parties attached Execution Date							
Name	(line 1) Balbir Kuma	<u>ur</u>						Month Day Year 6/21/2000
Name	(line 2)							Execution Date
Second Name							Month Day Year	
Name	(line 2)							W.
Receiv	ing Party	()Mark if a	addition	al names of rece	iving par	ties attached		
Name	(line 1) BAE System	s Electronics Limited					()	If document to be recorded i
Name	(line 2)							receiving party is not domiciled in the United States, an appointment of a
Address	s (line 1) The Grove							domestic representative is attached. (Designation
Address	s (line 2) Warren Lan	<u>e</u>						must be a separate document from Assignment.)
Addres	s (line 3)	Stanmore,	<u>M</u>	liddlesex/United Kingdom State/Country		HA7 4LY Zip Code		
Domestic Representative Name and Address Enter for the first Receiving Party only.								
N	ame							
Addres	s (line 1)							
Addres	s (line 2)							

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

FOR OFFICE USE ONLY

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Address (line 3) Address (line 4)

8/29/2000 NTHAI1

1 FC:581

00000211 09581598

40.00 09

PATENT REEL: 011026 FRAME: 0303

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027		Page 2		Patent and Tra	U.S. Department of Commerce Patent and Trademark Office PATENT	
Corresponde	nt Name and Address	Area Code and Tele	ephone Number	212-697-3750		
Name	Alan Israel					
Address (line 1)	Kirschstein, Ottinger, Israe	l & Schiffmiller, P.C.				
Address (line 2)	489 Fifth Avenue					
Address (line 3)	New York, NY 10017-6105					
Address (line 4)						
Pages	Enter the total number of p including any attachments.	ages of the attached conve	eyance document	# 3		
Application N	Number(s) or Patent Nu	mber(s)	() N	lark if additional numbers	attached	
Enter eithe	er the Patent Application Num	ber or the Patent Number	(DO NOT ENTER B	OTH numbers for the same	property).	
	Patent Application Number	r(s)		Patent Number(s)		
09/581	,598					
signed by the firs	is being filed together with a <u>new</u> of named executing inventor.	y Patent Application, enter the	he date the patent app	ication was Month 1	Day Year	
Enter	PCT application number	PCT	PCT	PCT		
only if a U.S. Application Number has not been assigned.		PCT	PCT	PCT		
Number of P	roperties	Enter the total num	ber of properties in	volved. # <u>1</u>		
Fee Amount Fee A Method of Payment: Deposit Account (Enter for payment by deposit account or if		ee Amount for Properties Enclosed (X)	mount for Properties Listed (37 CFR 3.41): Enclosed (X) Deposit Account ()			
			harged to the account. ount Number:	#	_	
		Authorization	on to charge additiona	l fees: Yes ()	No ()	
Statement an	d Signature					
attach	e best of my knowledge and ed copy is a true copy of th ted herein.					
Alan Israel	-	J/(u	<u>.C</u>	<u>July 27, 2000</u>	j	
Name of Porce	n Signing	Signature		Date		

PATENT REEL: 011026 FRAME: 0304

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged,

I, Balbir KUMAR, a British subject, of 70a Eton Avenue, Sudbury, Wembley, London, HA0 3AU, (GB)

sell and assign to BAE Systems Electronics Limited, a British Company, of The Grove, Warren Lane, Stanmore, Middlesex, HA7 4LY, (GB).

all my interest in the application for United States Patent Serial No: 09/581, 598

filed JUNE 15, 2000

for improvements invented by me

RECORDED: 07/31/2000

in or relating to MAGNETIC BEAM DEFLECTION DEVICES

and all my interest in all patents which may be granted therefore, and all divisions, reissues, continuations a

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

Signature Balbir KUN	MAR	<u> </u>	<u>Date</u>	214 0	June	ம
Witness	K. JWA. NWE	16H7 The	<u>~</u> ~%H			
Address	4 WHITEHOUS	E Avenue	_			
ROR	COMMANS					
HE	RTS WOBIN	o uk				

PATENT REEL: 011026 FRAME: 0305