Atty Docket No.: 0154-2651-2/jap

FORM PTO-1595 MRD 3/9/99



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

100987509 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Marc SOLAL and Pierre DUFILIE Name: THOMSON-CSF - 9 **1998** Address: 173, boulevard Haussmann 75008 Paris, FRANCE d? □Yes ■No Additional name(s) of conveying 3. Nature of Conveyance: □ Merger ■ Assignment ☐ Security Agreement ☐ Change of Name □ Other Additional name(s) and address(es) attached? □Yes ■No March 13, 1998 **Execution Date:** 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 09/057,451 Additional numbers attached? □Yes ■No 6. Total applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Enclosed Attorneys at Law ☐ Authorized to be charged to deposit account Fourth Floor 15-0030 8. Deposit account number: 1755 Jefferson Davis Highway (Attach duplicate copy of this page if paying by deposit account) Arlington, Virginia 22202 DO NOT USE THIS SPACE 9. Statement and signature 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. Marvin J. Spivak Name of Person Signing Registration Number: 24,913 Total number of pages including this cover sheet: 03/17/1999 JSHABAZZ 00000080 09057451 40.00 OP 01 FC:581 Do not detach this portion -Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

PATENT REEL: 9815 FRAME: 0355

	WHEREAS, I (WE) Marc SOLAL and Pierre DUFILIE
ERT NAMES D RESIDENCE DRESSES OF E INVENTORS:	847, chemin des 4 Chemins 06600 ANTIBES (FRANCE)
	190 Echo Drive VERNON CN 06066 (U.S.A.)
SERT TITLE INVENTION:	
	have invented certain new and useful improvements in: DIFFERENTIAL INPUT/OUTPUT
COT DATE IN	SURFACE ACOUSTIC WAVE DEVICE WITH PROXIMITY COUPLING
SERT DATE IN- NTORS SIGNED CLARATION:	for which an application for Letters Patent was executed on March 13, 1998
	(Application No
SERT NAME ID ADDRESS OF MPANY OR "HER ASSIGNEE:	WHEREAS,THOMSON-CSF
	(hereinafter referred to as "ASSIGNEE") having a place of business at:
	173, boulevard Haussmann 75008 PARIS (FRANCE)
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and it any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	March 13, 1998	Marc Solal
.		(Signature of Inventor) Marc SOLAL
Date:		(Signature of Inventor)
Date:_	March 13, 1998	Piene Duklie
		Pierre DUFI¶IE
Date:		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		•
		(Signature of Inventor)
Date:		(Signature of Inventor)
		(Signature of inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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PATENT REEL: 9815 FRAME: 0357