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To the Henevalle Commission of Dates		ginal documents or cor	av thoroof	o.
1. Name of conveying party(ies):	10383	ess of receiving party(ie		- D
	Name: Cirrus Lo		55).)
(a) John L. Melanson	Street Address: 2			101
(b) Jack B. Andersen			7: 707.40	1
(c)	City: Austin	State: <u>Texas</u>	Zip: <u>78746</u>	
Additional name(s) of conveying party(ies) attached?	Country: <u>USA</u>			
m 12 9 02 No				
3. Nature of Conveyance:	Name and add	dress of receiving party(ie	es):	
Assignment Merger	Name:			
Security Agreement Change of Name	Street Address: _			
Other	- City:	State:	Zip:	
Execution Date: December 6, 2002	Country:			
Application number(s) or patent number(s):			**************************************	
If this document is being filed together with a new applicati				
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A. Patent Application No.(s) - 10314804	B. Patent No.(s)	the application is:	<u>December 6, 2002</u>	
A. Patent Application No.(s) - 10314804 Title: Modulation of a Digital Input Signal Using Multiple Digital	B. Patent No.(s)	the application is:	December 6, 2002	
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PATENT REEL: 013560 FRAME: 0689

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

John L. Melanson	of	Austin, Texas
Jack B. Andersen	of	Austin, Texas

hereby sell, assign and transfer to Cirrus Logic, Inc., a Delaware corporation, having a place of business at 2901 Via Fortuna, Austin, Texas 78746, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

MODULATION OF A DIGITAL INPUT SIGNAL USING MULTIPLE DIGITAL SIGNAL MODULATORS

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications. We authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us. We agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries. We request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

John L. Melanson
Date: 6 DET- 0

STATE OF TEXAS

COUNTY OF TRAVIS

Before me, on this day personally appeared John L. Melanson, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

My Commission Expires: 2-19-05

	Jack B. Andersen
	Date:
TATE OF TEXAS	§ § §
COUNTY OF TRAVIS	§
erson whose name is subs	day personally appeared Jack B. Andersen, known to me to be the scribed to the foregoing instrument and acknowledged to me that he purposes and consideration therein expressed.
	Notary Public, State of Texas
	My Commission Expires:

- 2 of 2 -

ASSIGNMENT

John L. Melan	son	of	Austin, Texas
Jack B. Ander	sen	of	Austin, Texas
	tuna, Austi	n, Texas 78746, its	elaware corporation, having a place s successors and assigns, the entire tion in:
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assignment, and all patent a including divisions, reissue resulting from the filing of apply for patents of foreign without further authorization with said United States and aid said assignee, their succ	upplications s, continuat said applicat countries f on from us. foreign applications	s and patents of ever tions and extension ations. We authori for said invention, We agree to execu- plications, and gen igns and nominees	eation on or about the date of this ery country for said invention, as thereof, and all rights of priority ze the above-named assignee to and to claim all rights of priority ate all papers useful in connection erally to do everything possible to at their request and expense, in
obtaining and enforcing part Commissioner of Patents and above-named assignee, its s	nd Tradema	arks to issue all pat	ents granted for said invention to the
Commissioner of Patents an	nd Tradema	arks to issue all pat	
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Commissioner of Patents an above-named assignee, its s	nd Tradema	arks to issue all pat and assigns.	ents granted for said invention to the
Commissioner of Patents and above-named assignee, its sometimes of TEXAS COUNTY OF TRAVIS Before me, on this of the commission of the com	successors a	arks to issue all pat and assigns. Date: ally appeared John be foregoing instru	John L. Melanson L. Melanson, known to me to be the nent and acknowledged to me that
Commissioner of Patents and above-named assignee, its sometimes of TEXAS COUNTY OF TRAVIS Before me, on this operson whose name is subs	successors a	arks to issue all paternd assigns. Date: Date foregoing instrument and consideration	John L. Melanson L. Melanson, known to me to be the nent and acknowledged to me that

PATENT REEL: 013560 FRAME: 0692

Date: 12/6/02

STATE OF TEXAS

COUNTY OF TRAVIS

Before me, on this day personally appeared Jack B. Andersen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.



My Commission Expires: 1-31-2007