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Name (line 1) Mid	chael F. Keaveney						Month Day Year Aug-14-2001	
Name (line 2)							Execution Date	
Name (line 1) Col	lin Lyden					*	Month Day Year Aug-14-2001	
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OMB 0651-0027	raye z	PATENT
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Bruce E. Kamerer	Bun E. Karnen	September 20, 200 Date
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ASSIGNMENT

For valuable consideration, we, Michael F. Keaveney, residing at 4 Rich Hill Woods, Lisnagry County Limerick, Ireland; and Colin Lyden, residing at The Cove, Baltimore, County Cork, Ireland; (hereinafter "the Assignors"), hereby assign to Analog Devices, Inc., a Massachusetts corporation having its principal place of business at Three Technology Way, Norwood, Massachusetts 02062, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent filed on even date herewith entitled

FRACTIONAL-N SYNTHESISER AND METHOD OF SYNCHRONISATION OF THE OUTPUT PHASE

this assignment including said United States patent and any and all foreign patents granted for said inventions or improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

In Witness	Whereof, we he	ereto set our hands and seals at	HMERICK	IRELAND.	_ this
14 ^m day of				y, town)	

Michael F. Keaveney

Colin Lyden

Country of Ireland Country of LIMERIEK.

RECORDED: 09/20/2001

Before me this 14m day of Angult., 2001, personally appeared Michael F. Keaveney and Colin Lyden, known to me to be the persons whose names are subscribed to the foregoing assignment and acknowledged that they executed the same as their free act and deed for the purposes

therein contained.

[Notary's seal here]

Notary Public

My commission expires: on death.

AD-262J JSI/mgt

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