

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Lei Xu	06/13/2011
Martin Langhammer	06/09/2011
RECEIVING PARTY DATA	
Name:	Altera Corporation
Street Address:	101 Innovation Drive
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13149661
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PATENT
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000174-0702-101/A03500

A S S I G N M E N T

Whereas We, Lei Xu and Martin Langhammer,
respectively residing at High Wycombe, Buckinghamshire, GBR;
and Salisbury, Wiltshire, GBR, have made an invention in:

CHOLESKY DECOMPOSITION IN AN INTEGRATED CIRCUIT DEVICE

and are about to make or have made application for United
States Letters Patent therefor, the same having been executed
by us on even date herewith (We hereby authorize and request
any one of assignee's attorneys associated with Customer
Number 36981, to insert here in brackets [Application No.
13/149,661, filed May 31, 2011] the application number and
filing date of said application when known); and

WHEREAS, ALTERA CORPORATION, a corporation organized
and existing under the laws of Delaware and having an office
and place of business at 101 Innovation Drive, San Jose,
California 95134-1941 is desirous of acquiring the entire
interest in said invention, said United States patent
application and in any Letters Patent which may issue thereon;

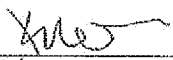
NOW, THEREFORE, be it known that for and in
consideration of the sum of One Dollar (\$1.00) to each of us
paid, and other good and valuable consideration, the receipt
and sufficiency of which is hereby acknowledged, we do hereby
sell, assign and transfer unto the said ALTERA CORPORATION,
its successors, assigns and legal representatives, all right,
title and interest in and to said invention and any
improvements thereon for all countries of the world, and in
and to said United States patent application, including any
continuations and divisions thereof, and any substitute
applications therefor, and any patents which may issue
thereon, and any reissues of the same, and including the right
to claim priority under the International Convention based on
said patent application; and all right, title and interest in

and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and We hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said ALTERA CORPORATION, as the assignee of the entire interest therein; and We further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names and affixed our seal on the date indicated hereinafter.

13th June, 2011
Date

JUNE 9 2011
Date


Lei Xu


Martin Langhammer