

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3575717

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID LEWIS	05/01/2012
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:	14886777
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	10001-2007410
NAME OF SUBMITTER:	MICHAEL MAURIEL
SIGNATURE:	/Michael Mauriel/
DATE SIGNED:	10/19/2015
Total Attachments: 1	
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**ASSIGNMENT
SOLE**

THIS ASSIGNMENT, by David Lewis, residing in Toronto, Canada (hereinafter referred to as the "assignor")
witnesseth:

WHEREAS, said assignor has invented certain subject matter in ROUTING AND PROGRAMMING FOR
RESISTIVE SWITCH ARRAYS, set forth in an application for Letters Patent of the United States, having an oath or
declaration executed on even date herewith; and

WHEREAS, Altera Corporation, a corporation duly organized under and pursuant to the laws of Delaware and
having its principal place of business at 101 Innovation Drive, San Jose, CA 95134 (hereinafter referred to as the
"assignee") is desirous of acquiring the entire right, title and interest in and to said inventions and said application for
Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained
therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the
receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents
does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire
right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters
Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon,
and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions
of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial
Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal
representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as
fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been
made.


AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee its
successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is
the sole and lawful owner of the entire right, title and interest in and to said inventions and the application for Letters
Patent above-mentioned, and that the same are unencumbered and that said assignor has good and full right and lawful
authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its
successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of
its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or
said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any
country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-
part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is
lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be
done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to
said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its
successors, legal representatives and assigns.

AND said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States
to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said
assignee, its successors, legal representatives and assigns.

"I hereby authorize and request the assignee's attorneys associated with Customer Number 74140 to insert here
in parentheses (Application number _____, filed _____) the application number and filing date
of said application when known."

Ma 1 / 2012
Date



David Lewis