FORM PTO-1619A Expires 06/30/99 OMB 0651,0027 11-23-1998



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delanessi medi	presentative Name and Ac		er for the first Recei		
02 FC:561 Name	Curtis A. Voca				
Address (line 1)	Duft, Graziano & Forest,	P. C.			
Address (line 2)	Suite 140				
Address (line 3)	1790 30th Street				
Address (line 4)	Boulder, Colorado, USA 80301-1018				
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Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

> PATENT REEL: 9591 FRAME: 0372

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OMB 0651-0027			PATENT				
Correspondent Name and Address		Area Code and Telephone Number	303-449-9497				
Name	Curtis A. Vock						
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Address (line 4)	Boulder, Colorado, USA 80301-1018						
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Fee Amount	Fee Amount fo	or Properties Listed (37 CFR 3.41):	\$ 40.00				
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Curtis A.	Vock	Cuts A. Wel	Nov. 12, 1998				
Name	of Person Signing	Signature	Date				

PATENT

REEL: 9591 FRAME: 0373

ASSIGNMENT

WHEREAS, Donald Allingham, whose residence address is 4501 Cliffside Court, Fort Collins, Colorado, (the "Assignor"); having invented a certain new and useful invention for "PCI BRIDGE FOR OPTIMIZED COMMAND DELIVERY" for which I am about to make application for Letters Patent of the United States, said application being identified as Docket No. 4020/021 in the law offices of Duft, Graziano, and Forest, P.C., 1790 - 30th Street, Suite 140, Boulder, Colorado 80301-1018, and herewith executed on the date listed hereinbelow; and

WHEREAS, Adaptec, Inc., a Delaware corporation, whose post office address is 691 S. Milpitas Boulevard, Milpitas, California 95035; (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and application for Letters Patent in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration from said Assignee, the receipt of which is hereby acknowledged, Assignor hereby sells, assigns, transfers, and sets over to the said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the aforesaid invention and the aforesaid application, for the territory of the United States of America and for all foreign countries, and to all Letters Patent, divisions, continuations, continuations-in-part, substitutions, reissues, re-examinations and extensions to be obtained therefor; and Assignor further agrees to cooperate with the said Assignee hereunder in the obtaining and the sustaining of any or all such Letters Patent but at the expense of the said Assignee.

PATENT REEL: 9591 FRAME: 0374 The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with this Assignment, to the said Assignee, its successors, legal representatives and assigns, as the Assignee of the entire right, title and interest therein.

The Assignor agrees to communicate to said Assignee or its representatives any facts known respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all division, continuation, continuation-in-part, substitution, reissue, re-examinations and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything necessary or desirable to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

This Assignment is executed by Donald Allingham as of the date set forth below.

Date: /o/zc /98

By:

Donald Allingham