

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Frederic BONVIN	07/20/2009
RECEIVING PARTY DATA	
Name:	STMicroelectronics, Inc.
Street Address:	1310 Electronics Drive,
Internal Address:	M/S 2346
City:	Carrollton
State/Country:	TEXAS
Postal Code:	75006
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12505822
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	Kevin D. Jablonski
Total Attachments: 2 source=1678-079-03_Assign_20090720#page1.tif source=1678-079-03_Assign_20090720#page2.tif	

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PATENT  
REEL: 022985 FRAME: 0199

## ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration the adequacy and receipt of which are hereby acknowledged,

ASSIGNOR Frederic Bonvin residing or having a principal place of business at 4128 Frederick Circle, Longmont, CO, 80503, and a citizen or juristic entity of China,

hereby sells, assigns, and transfers to:

ASSIGNEE STMicroelectronics, Inc. residing or having a principal place of business at 1310 Electronics Drive, M/S 2346, Carrollton, TX, 75006, and a citizen or juristic entity of United States,

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest in the United States and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled HARD DISK DRIVE OPTIMIZED POWER MANAGEMENT IN CASE OF POWER LOSS and which is found in United States patent application serial number 12/505822, filed on July 20, 2009 (if not present when this instrument is executed, applicant's attorney or agent is authorized to enter the application serial number and filing date upon receipt of the same from the United States Patent and Trademark Office), and in and to all Letters Patent to be obtained from said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent from any reissue or re-examination thereof

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts, documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to the ASSIGNOR and the ASSIGNOR will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, and enforce said application, said invention, and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purpose thereof.

ASSIGNORS:

Name: Frederic Bonvin

Signature: 

EXECUTED ON, and effective from this 20<sup>th</sup> day of July, 2009  
at LONGMONT, CO

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be the person named in the assignment, duly sign and execute the same on this 20<sup>th</sup> day of July, 2009 of his own free will for the purpose therein expressed at the following location: Longmont, CO

WITNESS

Name: Chris Zeh

Signature: 