## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                | Execution Date |
|---------------------|----------------|
| Martin FEUERSANGER  | 09/30/2010     |
| Joachim LOHR        | 09/30/2010     |
| Christian WENGERTER | 09/30/2010     |

### **RECEIVING PARTY DATA**

| Name:           | Panasonic Corporation        |
|-----------------|------------------------------|
| Street Address: | 1006 Oaza Kadoma, Kadoma-shi |
| City:           | Osaka-shi, Osaka-fu          |
| State/Country:  | JAPAN                        |
| Postal Code:    | 571-8501                     |

#### PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12922631 |

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 007725-10114

NAME OF SUBMITTER: James E. Ledbetter

**Total Attachments: 1** 

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PATENT

REEL: 025094 FRAME: 0662

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| Panasonic Ref*:  | ——————————————————————————————————————   | Application Serial No  | 12/922.631   |
|--|--|--|--|
| German Firm Name: Orunroko Kinkoldov Stockmal  | r & Schwanhousser  | German Firm Ref:   | PA57501US-DK137903ver  |
| US Firm Name:DW  | <u> </u>   | US Firm Ref.   |  |
|  | a managana   |  |  |
| WHEREAS, the undersigned has (have) invanled to Box 1  | DICCA<br>to the invention and the  | NMENT  |  |
| Title of Invention:  |  |  |  |
| MPROVED HARQ PROCESS MAN   | AGEMENT  |  |  |
| 1, For use when signing D  | eclaration prior to filing   | U.S. parent application (check only o  | ne box balow)  |
| (a)□ for which an application for U.S. patent if   | nas been executed  | by the undersigned concurre  | antly herewith, or   |
| (b)C) for which an application for U.S. patent to place process and designed on the same day sheet of and to the same day sheet of and to the same day sheet of and to the same day sheet of and the same day sheet of an analysis of the same day sheet of the same day s | nas been executed  | on the following date(s):  | i i  |
| (C) in for which an international Application hat<br>you the PCTUS notional entry, theck only by and enter PCT application   | s been filed as:   | PCT Application No.  | PCT/EP2009/001894 and  |
|  |  | n after filing U.S. palent epplication   |  |
| (d)□ for which an application for U.S. patent h  | as been filed on;  | Application Filing Date  | September 14, 2010 and   |
| representatives and assigns (hereinster designate said invention and in and to any Letters Patent(s) the NOW, THEREFORE, for good and valuable of be legally bound hereby, the undersigned, by these little and interest in and to: (I) said invention in designated as the United States) and in all countries.   | consideration, the reconstruction of the contract of the contr | eipt and sufficiency of which are<br>assign and transfer unto said As  | : hereby acknowledged and intended to signee(s) the entire and axclusive right   |
| application(s) disclosing said invention, including precisiones thereof in the United States and all countrial rights of priority created by this patent applicate renewals, extensions, reissues and reexamination intringement thereunder, in the United States and in The undersigned agree(s) to execute all paper all papers and documents and perform any act white Protection of Industrial Property or similar agree concerning this application or any and all Related A and producing evidence and proceeding with such again proceeding relating thereto and in support the with such applications as the Assignee(s) may deem The undersigned agree(s) to perform all affirm patent(s) to the Assignee(s) and to vest all rights her the undersigned if this Assignment had not been made the undersigned if this Assignment had not been made in the undersigned hereby authorize(s) and requisive patents. It is sue any and all Letters Pater Assignee(s) and hereby doversants that the underundersigned hereby doversants that the underundersigned hereby coversants that the underundersigned hereby grant(s) the Assignee(s) and force undersigned hereby grant(s) the Assignee(s) and force in the undersigned hereby grant(s) the Assignee(s) and force in the undersigned hereby agree(s) that the and the undersigned hereby agree(s) that the Assignee(s) that the safeth of the undersigned hereby agree(s) that the Assignee(s) that the States.  | rovisionals, non-provisionals, | isionals, conversions, divisions, ied States (hereinalter designate) y relating thereto; and (iii) any y relating thereto; and (iii) any ymay be granted therefore, and to the United States for the full is ection with this application and a /n connection with dains or pronecessary in connection with an indiction to cooperate with the Assignation or Lotters if Assignations or Lotters if Assignations, and also to execution.  The necessary to obtain a grant of Assignations or Lotters if Assignations or Lotters in Assignations and all for a control of Patents, and officials of said application or any and all full right to correspond the entire in anti-main, agreement or encumbrate Assignations, agreement or encumbrate Assignation and for appointing a new power of the authority with the rules of the United apply to the undersigned both instrued in accordance with the lating apply to the undersigned both instrued in accordance with the lating and apply to the undersigned both in the lating and apply to the undersigned with the lating and apply the undersigned and and all the lating and apply the and apply the undersigned and applications and applicatio | pacation and any and alteriated patent continuations, continuations-in-part and discretions. Along with and all Letters Patent(s), including all is rights to sue for past and future and of letters to sue for past and future and of letters to sue for past and future and all Related Applications thereof, my and all Related Applications thereof, ovisions of the international Convention by Interference which may be declared as in every way possible in chaining or for the purpose of protecting the right Patent's) therefore, and to testify in any the apparatio assignments in connection of a valid United States and any foreign as the same would have been held by all foreign countries, whose duty is to Related Applications thereof to said internat herein assigned, and that the ances in conflict herewith: lustive authority for revoking power of articines in place thereof. The power to insert on this assignment of this resignment and of the appropriate jurisdiction within and of the appropriate jurisdiction within and of the appropriate jurisdiction within and constraints.  |
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| application(s) disclosing said invention, including proclasues thereof in the United States and all countrial rights of priority created by this patient application renowals, extensions, reissues and reexemination littingement thereunder, in the United States and in The undersigned agree(s) to execute all pape all papers and documents and perform any act while or Protection of Industrial Property or similar agree concerning this application or any and all Related A and producing evidence and proceeding with such it title and interest in and to said invention, this applications as the Assignes(s) may deem with such applications as the Assignes(s) may deem the undersigned agree(a) to perform all affirm patent(s) to the Assignee(s) and to vest all rights her the undersigned if this Assignment had not been made the undersigned in such as any and all Letters Patien Assignac(c) and hereby covenants that the undersigned has (have) not executed, and will not earlier attentions of the undersigned horeby does self, assign a stromey(s) executed by the undersigned in summeotified on which may be necessary and further identification which may be necessary of document.  The undersigned hereby agree(s) that the Assign United States.  IN WITNESS WHEREOF, executed by the undersigned by the undersigned (e) First Name, Last Name  (1) Martin FEUERSÄNGER  | rovisionals, non-provisionals, non-provisionals, non-provisionals, non-provisionals, non-provisionals, non-provisional countries foreign all countries foreign as necessary in common may be necessary in common and any and all reof, for the benefit of necessary or expediative acts which may reby conveyed to the december of the commissional and any and all record, for the benefit of necessary or expediative acts which may reby conveyed to the december of the Commissional acts of the Commissional acts of the Commissional acts of the Commissional acts of the commission of the application of the application of the application of the applications and significant the applications and significant acts of the applications and significant acts of the applications and applications are applications and appl | isionals, conversions, divisions, led States (hereinalter designate) y relating thereto; and (III) any y relating thereto; and (III) any y relating thereto; and (III) any year granted therefore, and to the United States for the full tection with this application and e or in connection with a relation with the Assignation of Letters for Assignation of Letters for Assignation and the cooperate with the Assignation of Letters for Assignation and all the full application or Letters for Assignation and the cooperate with an entirely be necessary to obtain a grant of Assignation or any and all full right to convey the entire is said application or any and all full right to convey the entire is entil asian, agreement or encumbrate Assignation on and for appointing a new powers. S. patent attempts and agents to comply with the rules of the United States of the Unite | pacation and any and alteriated patent continuations, continuations-in-part and discretions. Along with and all Letters Patent(s), including all all rights to sue for past and future and rights to sue for past and future and of letters of the letter of past and future and all Related Applications thereof, my and all Related Applications thereof, my and all Related Applications thereof, or for the purpose of protecting the district of the purpose of protecting the right Patent(s) therefore, and to testify in any the separate assignmentain connection of a valid United States and any foreign rise the same would have been held by all foreign countries, whose duty is to Related Applications thereof to said interest herein assigned, and that the ances in conflict herewith: lustre authority for revoking power of an of attorney in place thefoof, the power to insert on this assignment. S. Patent Office for recordation of this inclividually and collectively, and of the appropriate juriadiction within the special part of the power to insert on this assignment.  (g) Data signed  Monto Due, Year  OP. 30. 2 GO   |

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**RECORDED: 10/05/2010**