

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KAMAL ALI	12/09/2000
WIJNAND VAN STAM	11/27/2000
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<b>City:</b>	ALVISO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002-2160
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12946815
<b>Application Number:</b>	13894299
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<b>ATTORNEY DOCKET NUMBER:</b>	113142-0064-304/305
<b>NAME OF SUBMITTER:</b>	LINDA BLAKE
<b>SIGNATURE:</b>	/Linda Blake/
<b>DATE SIGNED:</b>	11/16/2017
<b>Total Attachments: 1</b>	
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**ASSIGNMENT**

WHEREAS, We, Kamal Ali and Wijnand van Stam, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **INTELLIGENT SYSTEM AND METHODS OF RECOMMENDING MEDIA CONTENT ITEMS BASED ON USER PREFERENCES**

WHEREAS, TiVo, Inc., a corporation duly organized under and pursuant to the laws of the State of California, and having its principal place of business at 2160 Gold Street, P.O. Box 2160, Alviso, CA 95002-2160, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title, and interest in the said invention and application and in any Letters Patent which may be granted with regard to the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, ASSIGNORS have sold, assigned, and transferred, and by these presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title, and interest in and to said invention, said application for United States Letters Patent and any Letters Patent which may be hereafter granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or part, substitutions, conversions, reissues, revivals, prolongation, or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, for all time.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE , but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE may lawfully request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE , or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to the assignment on the date indicated below.

*Kamal Ali*  
KAMAL ALI

12/09/00  
Date

*Wijnand van Stam*  
WIJNAND VAN STAM

11/27/00  
Date