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Edison Ishikawa and Claudio Luis Amorim

Name: COPPE/UFRJ - Coordenacao dos Programas

Additional name(s) of conveying party(ies) attached?  Yes  No

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3. Nature of conveyance:

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Assignment  Merger

Street Address: Centro de Tecnologia, s/n bloco G.

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Execution Date: 09/02/04

City: Rio de Janeiro State Brazil Zip: RJ-cep21941-

590

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s) COLLAPSED DISTRIBUTED COOPERATIVE MEMORY FOR INTERACTIVE AND SCALABLE MEDIA-ON-DEMAND SYSTEMS

If this document is being filed together with a new application, the execution date of this application is: 9/02/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Christopher J. Fildes

Internal Address:

Street Address: Fildes & Outland, P.C.

20916 Mack Avenue, Suite 2

City: Grosse Pointe Woods State: MI ZIP: 48236

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) .....\$ 40.00

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Christopher J. Fildes  
Name of person signing

September 20, 2004  
Date

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PATENT  
REEL: 016542 FRAME: 0065

# ASSIGNMENT

(1) Ishikawa, Edison

(2) Amorim, Cláudio Luis

In consideration of the sum of one dollar (\$1.00) and other good and valuable

(6) COPPE/UFRJ - Coordenação dos Programas de Pós Graduação de Engenharia da Universidade Federal do Rio de Janeiro.

(7) Centro de Tecnologia, s/nº bloco G, Ilha do Fundão, Rio de Janeiro, RJ - cep21941-590.

and any Letters Patent which may be granted therefor, known as

(8) Collapsed Distributed Cooperative Memory for Interactive and Scalable Media-On-Demand Systems Foreign Application or Case No. PCT/BR02/00137

(9) on 30 September 2002

(10)	U.S.	applicants	Serial	Number
for filed applications	filed			

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agree(s) to communicate to the Assignee or representative thereof any facts known to me (us) respecting the invention and improvements thereof, and will, upon request, but without expense to me (us), testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of Fildes & Cutland, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and /or assigns of the Assignee.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date September 2, 2004 Name of Inventor Edson, Ishikawa

(2) Date September 02, 2004 Name of Inventor Amorim, Claudio Luis

Date September 2, 2004 Witness Castro, Joubert Gonçalves

Date September 2, 2004 Witness Guerra, Fábio