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103642026 To the Director of the U.S. Patent and Tr. original documentant copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): 1 Guillaume SCHON Name: ARM Limited 2 Melanie Emanuelle Lucie TEYSSIER Street Address: 110 Fulbourn Road, Cherry Hinton 3 Frederic Claude Marie PIRY Cambridge City: 4 Luca SCALABRINO 5 David Michael BULL State/Country: United Kingdom Zip: CB1 9NJ Additional name/s of conveying party/ies attached? 2) Name 3. Nature of conveyance: Street Address: Merger Security Assignment Change of Name City: Zip: State/Country: Other Additional name/s & address/es attached? \(\sum \) Yes \(\times\) No **Execution Date:** January 11, 2012; January 11, 2012; January 10, 2012; January 11, 2012; January 25, 2012 This assignment is being filed together with a new application. 4. Application number(s) or patent number(s): B. Patent No(s). A. Patent Application No(s). (1) 13/336,432 (1) (2) (2)(3) (3) Additional numbers attached \( \subseteq \text{Yes} \) \( \subseteq \text{No} \) 5. Name and address of party to whom correspondence 6. Total number of applications & patents involved: concerning document should be mailed: 40.00 7. Total fee (37 CFR 3.41) Stanley C. Spooner Enclosed Authorized to be charged to deposit account #14-1140 Internal Address: 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which Street Address: Nixon & Vanderhye P.C. 901 North Glebe Road should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 11th Floor 22203 14-1140. City: Arlington State: VA Zip: DO NOT USE THIS SPACE 9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Stanley C. Spooner March 12, 2012 Signature Name of Person Signing Date Reg. No. 27,393 Total number of pages including original cover sheet, attachments, and document: [3]

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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PATENT

REEL: 027950 FRAME: 0981

## ASSIGNMENT OF PATENT APPLICATION

(Inventors)

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David Michael Bull a British Citizen of c/o ARM limited, 110 Fulbourn Road, Cherry Hinton, Cambridge

CB1 9NJ, United Kingdom

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and

set over to

(Assignee) (Address) ARM LIMITED a corporation of the United Kingdom

Of 110 Fulbourn Road, Cherry Hinton, Cambridge, CB1 9NJ, United Kingdom

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the

United States, its territories, dependencies and possessions, and for all countries

(Other Countries) (Title) in the invention, and all application for patent and any Letters Patent which may be granted

therefore, known as A DATA PROCESSING APPARATUS WITH AN EXECUTION PIPELINE AND ERROR RECOVERY

UNIT AND METHOD OF OPERATING THE DATA PROCESSING APPARATUS (Case No.

for which the undersigned has (have) executed on even date herewith an application for patent in the

United States of America

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent 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.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE 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.

PATENT REEL: 027950 FRAME: 0982 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 01/10/2012 Signature of inventor

Date 01/11/2012 Signature of inventor

Date  $\frac{01/11/2012}{2012}$  Signature of Inventor

Date OALAA 12012 Signature of Inventor

Date 25 SAMUARY 2019 Signature of Inventor

Frederic Claude Pirv

Luca Scalabrino

Guillaume Schor

Mélanie Emanuelle L'ucie Teyssier

David Michael Bull

PATENT REEL: 027950 FRAME: 0983

**RECORDED: 03/12/2012**