

INTELLECTUAL PROPERTY COLLATERAL SECURITY AGREEMENT

This Intellectual Property Collateral Security Agreement is made as of June 24, 1999 (the "Security Agreement"), by and among FASTSHIP, INC., a Delaware corporation ("FSI"), THORNYCROFT, GILES & CO., INC., a Delaware corporation ("TGC," and along with FSI, collectively the "Debtors"), and Ronald J. Naples (the "Secured Party").

RECITALS

WHEREAS, FSI executed and delivered to the Secured Party that certain Convertible Note Due June 23, 2002 (the "Note"), in the amount of \$50,000 that is convertible into shares of common stock of FSI; and

WHEREAS, to induce the Secured Party to provide the financing evidenced by the Note, the Debtors have agreed to grant to the Secured Party a security interest in certain intellectual property of the Debtors.

NOW, THEREFORE, in consideration of the foregoing promises, and for other good and valuable consideration, the receipt and adequacy of which are acknowledged, the parties agree as follows:

1. Security Interest. To secure the complete and timely satisfaction of all obligations assumed by FSI under the Note, the Debtors grant to and create in favor of the Secured Party a first priority security interest (the "Security Interest") in and to:

(a) the patent applications and patents of TGC listed in Schedule A, including without limitation all proceeds thereof, such as, by way of example and not limitation, license royalties and proceeds of infringement suits (collectively, the "Patents"); and

(b) the Intent-to-Use ("ITU") service mark applications of FSI listed in Schedule A, any registrations resulting therefrom and any renewals of those registrations (collectively, the "Trademarks"), together with all of the goodwill of the business connected with the use thereof, and symbolized thereby, and including without limitation all proceeds thereof, such as, by way of example and not limitation, license royalties and proceeds of past, present, or future infringement or dilution, or for injury to the associated goodwill;

all the foregoing of which are collectively called "Collateral."

2. Representations and Warranties. The Debtors warrant and represent to the best of their knowledge and belief that:

(a) the Patents are subsisting and have not been adjudged invalid or unenforceable, in whole or in part, and that each patent listed in Schedule A is valid and enforceable;

(b) they are the respective sole and exclusive owners of the entire and unencumbered right, title, and interest in and to each of the Patents and Trademarks, free and clear of any liens, charges, and encumbrances, including without limitation pledges, assignments, licenses, shop rights, and covenants by the Debtors not to sue third parties;

(c) they have the unqualified right to enter into this Security Agreement and perform its terms and have entered and will enter into written agreements with each of its present and future employees, agents, and consultants which will enable them to comply with the covenants herein contained;

(d) they will, until all of FSI's liabilities arising under the Note shall have been fully satisfied:

(i) prosecute diligently the patent applications and the trademark applications listed in Schedule A;

(ii) file with the U.S. Patent and Trademark Office ("PTO") all documents necessary to protect and preserve the Patents and Trademarks;

(iii) not enter into any agreement which is inconsistent with the Debtors' obligations under this Security Agreement, without the prior written consent of the Secured Party; and

(iv) not sell, transfer, or dispose in any way any right, title, or interest in or to any of the Collateral;

(e) the Collateral listed in Schedule A represents all the patents and trademarks currently held by the Debtors that are instrumental in the development of the FastShip technology; and

(f) they will enforce their rights in the Collateral and will actively defend against any third party challenges to such rights.

The Debtors do not warrant that the Patents or Trademarks might not be declared invalid if challenged in court or that any pending patent or trademark applications will be successfully prosecuted. The Debtors have disclosed on Schedule A all known oppositions to its patent applications and all known trademarks substantially the same as the Trademarks. Any expenses incurred in connection with fulfilling the obligations assumed under this paragraph shall be borne by the Debtors.

3. Event of Default. An Event of Default by FSI under any of the Notes or failure of the Debtors to comply with this Security Agreement constitutes an "Event of Default."

4. Remedies.

(a) If any Event of Default shall have occurred and be continuing, the Secured Party shall have, in addition to all other rights and remedies given it by this Security Agreement, those rights allowed by law and the rights and remedies of secured parties under the Uniform Commercial Code as enacted in any jurisdiction in which the Collateral may be located and, without limiting the generality of the foregoing, the Secured Party may immediately, without demand of performance and without other notice (except as set forth below) or demand whatsoever to the Debtors, all of which the Debtors expressly waive, and without advertisement, sell at public or private sale or otherwise realize upon the whole or from time to time any part of the Collateral or any interest which the Debtors may have therein, at such prices as an agent of the Secured Party may deem best, and for cash or on credit or for future delivery, without assumption of any credit risk, and after deducting from the proceeds of sale or other disposition of the Collateral all expenses (including all reasonable expenses for brokers' fees and legal services), shall apply the residue of such proceeds towards the payment of FSI's liabilities under the Note. Any remainder of the proceeds after payment in full of the liabilities shall be paid over to the Debtors. Notice of any sale or other disposition of the Collateral shall be given to the Debtors at least two weeks before the time of any intended public or private sale or other disposition of the Collateral is to be made, which the Debtors hereby agree shall be reasonable notice of such sale or other disposition. At any such sale or other disposition, the rights of Secured Party are subject to the Debtors' right of redemption as provided by state law. At any sale or sales made pursuant to this Security Agreement, any Secured Party may bid for or purchase, free (to the fullest extent permitted by applicable law) from any claim or right of whatever kind, including any equity of redemption, of the Debtors, any such demand, notice, claim, right, or equity being hereby expressly waived and released, any part of or all of the Collateral offered for sale, and may make any payment on account thereof by using any claim for moneys then due and payable to the Secured Party by FSI under the Note or otherwise, as a credit against the purchase price. The Secured Party shall in any such sale make no representations or warranties with respect to the Collateral or any part thereof, and the Secured Party shall not be chargeable with any of the obligations or liabilities of the Debtors. The Debtors hereby agree (i) that they will indemnify and hold the Secured Party harmless from and against any and all claims with respect to the Collateral asserted before the taking of actual possession or control of the relevant Collateral by the Secured Party pursuant to this Security Agreement, or arising out of any act of, or omission to act on the part of, any party (other than the Secured Party) prior to such taking of actual possession or control by the Secured Party (whether asserted before or after such taking of possession or control), or arising out of any act on the part of the Debtors, or their agents, before or after the commencement of such actual possession or control by the Secured Party; and (ii) the Secured Party shall not have any liability or obligation to the Debtors arising out of any such claim except for acts of willful misconduct or gross negligence or acts not taken in good faith. In any action hereunder, the Secured Party shall be entitled if permitted by applicable law to the appointment of a receiver,

without notice, to take possession of all or any portion of the Collateral and to exercise such powers as the court shall confer upon the receiver.

(b) Upon the occurrence and during the continuance of an Event of Default, the Debtors will, upon receipt by them of any revenue, income, profits, or other sums in which a security interest is granted by this Security Agreement, payable pursuant to any agreement or otherwise, or of any check, draft note, trade acceptance, or other instrument evidencing an obligation to pay any such sum, hold the sum in trust for the Secured Party, and forthwith, without any notice or demand whatsoever (all notices, demands, or other actions on the part of the Secured Party being expressly waived), endorse, transfer, and deliver any such sums or instruments, or both, to the Secured Party to be applied to the repayment of the Note.

(c) If the Debtors fail to make any payment or take any action required hereunder, the Secured Party may make such payments and take all such actions as the Secured Party reasonably deems necessary to protect its security interest in the Collateral and/or the value thereof, and the Secured Party is hereby authorized (without limiting the general nature of the authority herein above conferred) to pay, purchase, contest, or compromise any liens not expressly permitted by this Security Agreement. The Secured Party will not be required to take any steps to preserve any rights against prior parties to the Collateral.

5. Remedies Cumulative. All of Secured Party's rights and remedies with respect to the Collateral, whether established by this Security Agreement or by the Note, or by any other agreements or by law, shall be cumulative and may be exercised singularly or concurrently.

6. Power of Attorney. If any Event of Default shall have occurred, the Debtors hereby authorize and empower the Secured Party to make, constitute, and appoint as its representative the Secured Party as the Debtors' true and lawful attorney-in-fact, with the power to endorse the Debtors' name on all applications, documents, papers, and instruments necessary for the Secured Party to use the Collateral, or to grant or issue any exclusive or non-exclusive license of the Collateral to any third person, or necessary for the Secured Party to assign, pledge, convey, or otherwise transfer title in or dispose of the Collateral to any third person. The Debtors hereby ratify all that such attorney shall lawfully do or cause to be done by virtue hereof. This power of attorney shall be irrevocable for the life of this Security Agreement.

7. Preservation and Protection of Security Interest. The Debtors shall (a) execute any and all documents required by state law, including without limitation, UCC-1 financing statements necessary to perfect Secured Party's Security Interest in the Collateral; (b) have this Security Agreement recorded in the trademark files of the Trademarks and the patent files of the Patents in the PTO, and any foreign patent office that accepts security agreements for recordation in its patent files; and (c) permit Secured Party's representatives from time to time to examine records relating to the Collateral as well as the Debtors' books and records to discuss the affairs, finances, and accounts of the Debtors with the Debtors'

officers. Upon the reasonable request of the Secured Party, the Debtors hereby agree to duly and promptly execute and deliver, or cause to be duly executed and delivered, at the cost and expense of the Debtors, such further instruments as may be necessary and proper, in the judgment of the Secured Party, to carry out the provisions and purposes of this Security Agreement or to perfect and preserve the security interests in the Collateral or any portion thereof purported to be granted under this Security Agreement.

8. Priorities. The Debtors have valued the Collateral at \$13,500,000. Accordingly, the Security Interest shall be shared *pari passu* with (i) the holders of those certain Convertible Notes Due March 16, 2000 in the aggregate amount of \$2,000,000, (ii) the holders of those certain Convertible Notes Due July 20, 2000 in the aggregate amount of \$1,500,000, (iii) Forrest E. Mars, Jr. pursuant to the terms of the loan agreement and promissory note dated August 26, 1998 in the amount of \$250,000, (iv) the holders of those certain Convertible Notes Due November 12, 2001 in the aggregate amount of \$231,800, (v) the holders of those certain Convertible Notes Due December 15, 2001 in the aggregate amount of \$483,850, (vi) the holder of that certain Convertible Note Due December 16, 2001 in the amount of \$250,000, (vii) Forrest E. Mars, Jr. pursuant to the terms of the loan agreement and promissory note dated January 20, 1999 in the amount of \$250,000, (viii) the holders of those certain Convertible Notes Due January 20, 2002 in the aggregate amount of \$100,000, (ix) the holders of those certain Convertible Notes Due April 1, 2002 in the aggregate amount of \$75,000, (x) the holder of that certain Convertible Note Due April 28, 2002 in the amount of \$25,000, (xi) the holders of those certain Convertible Notes Due May 6, 2002 in the aggregate amount of \$325,000, (xii) the holders of those certain Convertible Notes Due May 18, 2002 in the aggregate amount of \$200,000, (xiii) the holder of that certain Convertible Note Due May 20, 2002 in the amount of \$100,000, (xiv) the holders of those certain Convertible Notes Due May 23, 2002 in the aggregate amount of \$275,000, (xv) the holder of that certain Convertible Note Due June 1, 2002 in the amount of \$217,700, (xvi) the holder of that certain Convertible Note Due June 3, 2002 in the amount of \$150,000, (xvii) the holders of those certain Convertible Notes Due June 15, 2002 in the aggregate amount of \$180,000, and (xviii) persons or entities that may provide debt financing to the Debtors in the future in an amount not to exceed \$6,836,650.

9. Termination. At such time as FSI shall completely satisfy all of the liabilities arising under the Notes, this Security Agreement shall terminate and Secured Party shall execute and deliver to the Debtors at the Debtors' expense all instruments as may be necessary or proper to re-vest in the Debtors clear title to the Collateral subject to any disposition thereof which may have been made by the Secured Party pursuant hereto.

10. Assignability. The parties hereto may not assign any of their rights or obligations hereunder except with the express written consent of each of the other parties hereto, which consent may be withheld for any reason. The benefits and burdens of this Security Agreement shall inure to the benefit of and be binding upon the respective successors and permitted assigns of the parties.

11. Continuation and Reinstatement. The Debtors further agree that the security interest granted hereunder shall continue to be effective or be reinstated, as the case may

be, if at any time payment, or any part thereof, of principal or interest on the Note is rescinded or must otherwise be restored by the Secured Party upon the bankruptcy or reorganization of FSI or otherwise.

12. Third Party Infringement, etc. The Debtors agree that if any person, firm, corporation, or other entity shall do or perform any acts which an agent of the Secured Party believes constitute an infringement or dilution of any Trademark or Patent, or violate or infringe any right of the Debtors or the Secured Party therein, or if any person, firm, corporation, or other entity shall do or perform any acts which the Secured Party believes constitute an unauthorized or unlawful use thereof, then and in any such event, at any time while an Event of Default is continuing, the Secured Party may and shall have the right to take such steps and institute such suits or proceedings as the Secured Party may deem advisable or necessary to prevent such acts and conduct and to secure damages and other relief by reason thereof, and to generally take such steps as may be advisable or necessary or proper for the full protection of the rights of the parties. The Secured Party may take such steps or institute such suits or proceedings in its own name or in the name of the Debtors or in the names of the parties jointly. The Secured Party hereby agrees to give the Debtors notice of any steps taken, or any suits or proceedings instituted, by the Secured Party pursuant to this paragraph.

13. Notices. All notices, consents, requests, instructions, approvals, and other communications hereunder shall be in writing and shall be deemed given when delivered personally, or three days after being sent by first-class mail, postage prepaid, or when dispatched by telex or facsimile transmission, with receipt confirmed, to the party to be notified at the address or the facsimile numbers listed below:

If to the Debtors: Thornycroft, Giles & Co., Inc.
123 Chestnut Street, Suite 204
Philadelphia, PA 19106
Fax: (215) 574-1775
Attn: Kathryn Riepe Chambers

FastShip, Inc.
123 Chestnut Street, Suite 204
Philadelphia, PA 19106
Fax: (215) 574-1775
Attn: Kathryn Riepe Chambers

If to the Secured Party: Ronald J. Naples
Quaker Chemical Company
Elm and Lee Streets
Conshohocken, PA 19428
Fax: (610) 832-4494

Any party may change the address and facsimile numbers listed above by notifying the other parties of such change in the manner provided by this Section 13.

14. Amendment. This Security Agreement may be amended at any time by written instrument executed by the parties hereto.

15. Waiver. No failure or delay on the part of the Secured Party in exercising any right, remedy, power, or privilege hereunder shall operate as a waiver thereof or of any other right, remedy, power, or privilege of the Secured Party hereunder; nor shall any partial exercise of any such right, remedy, power, or privilege preclude any other or further exercise thereof or the exercise of any other right, remedy, power, or privilege. Neither the execution of, nor any provision in, this Security Agreement shall be construed as a waiver by the Secured Party of any default under the Notes existing on the date hereof.

16. Costs. The Debtors shall promptly reimburse the Secured Party for any and all costs and expenses, including but not limited to, the reasonable fees and disbursements of counsel to the Secured Party, which the Secured Party may incur in connection with (a) the enforcement of the rights of the Secured Party in connection with the Note and this Security Agreement, (b) the protection or perfection of the Secured Party's rights and interests hereunder, (c) the exercise by or for the Secured Party of any of the rights or powers herein conferred upon the Secured Party, and (d) the prosecution or defense of any action or proceeding by or against the Secured Party or the Debtors concerning any matter arising out of, connected with, or related to the Notes or this Security Agreement or any of the Collateral.

17. Governing Law. This Security Agreement shall be governed by and construed in accordance with the laws of the State of Delaware except in regards to the provisions governing choice of laws.

18. Severability. Each term or provision of this Security Agreement shall be valid and enforceable to the full extent permitted by law. Should any term or provision in this Security Agreement be held invalid, illegal, or unenforceable, the remainder of this Security Agreement, including the application of such term to the extent not invalid, illegal, or unenforceable, shall not be affected thereby and this Security Agreement shall be interpreted as if such term or provision, to the extent invalid, illegal, or unenforceable, did not exist.

19. Counterparts. This Security Agreement may be executed and delivered, including execution and delivery by facsimile transmission, in counterparts, each of which shall be deemed an original and together shall constitute one and the same instrument.

20. Entire Agreement. This Security Agreement constitutes the full and complete understanding among the parties hereto with respect to the subject matter hereof, and supersedes all prior agreements, arrangements, and understandings, oral or written, between the parties hereto with respect to the subject matter hereof.

IN WITNESS WHEREOF, this Security Agreement has been duly executed by the parties as of the date first set forth above.

THORNYCROFT, GILES & CO., INC.

By: Kathryn Riepe Chambers
Kathryn Riepe Chambers
Secretary

FASTSHIP, INC.

By: Kathryn Riepe Chambers
Kathryn Riepe Chambers
Executive Vice President

SECURED PARTY

Ronald J. Naples
Ronald J. Naples

Schedule A

Patents

1. U.S. Patent Number 5,080,032, issued January 14, 1992.
2. U.S. Patent Number 5,129,343, issued July 14, 1992.
3. U.S. Patent Number 5,231,946, issued August 3, 1993.
4. U.S. Patent Number 5,832,856, issued November 10, 1998.
5. European Community Patent Number 90912549.4.

Patent Applications

1. Japanese Application Number 511843/90, filed September 20, 1990.
2. Japanese Application Number 510628/92, filed October 1, 1993.
3. South Korean Application Number 92-700812, filed April 8, 1992.
4. South Korean Application Number 92-702962, filed October 2, 1993.

Note: The Japanese and South Korean patent offices have recently issued patents based on these applications. However, no patent numbers have yet been issued.

5. Norway Patent Application Number P921423.
6. Finland Patent Application Number 921601.

Trademark Applications

1. FASTSHIP ATLANTIC in Block Letters, filed in the name of FastShip, Inc. on May 6, 1998. Serial Number 75/480,274
2. FASTSHIP PACIFIC in Block Letters, filed in the name of FastShip, Inc. on May 6, 1998. Serial Number 75/480,273

Note: Pfastship Software Systems, Ltd. of Irvine, CA uses the mark **PFASTSHIP** in connection with the sale of computer software programs.

American Fastsigns, Inc. has a pending application to use the mark **FASTSHIP** in connection with advertising order, packaging, and distribution services (assigned to Heller Financial, Inc.).