



Form PTO-1595 (Rev. 10/02)

3-31-03

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PARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

PATENTS ONLY

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John D. STEWART Matthew J. SITZMANN
Scott J. MORRISON Patrick T. PRICE
Johnie P. SPRUIELL Steven R. SMITH

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

2. Name and address of receiving party(ies)

Name: HAAG ENGINEERING CO.

Internal Address:

Street Address: 2455 McIver Lane

City: Carrollton State: TX Zip: 75006

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

3. Nature of conveyance:

- [x] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

02/17/2003

Execution Date:

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s) 10/321,294

B. Patent No.(s)

Additional numbers attached? [] Yes [x] No

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

Name: Dennis T. Griggs

Internal Address: Suite 1000

Street Address: 17950 Preston Road

City: Dallas State: TX Zip: 75252

6. Total number of applications and patents involved: [1]

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

- [x] Enclosed Credit Card Authorization
[] Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

Dennis T. Griggs
Name of Person Signing

Dennis T. Griggs
Signature

03/24/2003
Date

Total number of pages including cover sheet, attachments, and documents: [4]

04/01/2003 LUMELLER 00000105 10321294

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

01 FC:8021

40.00 DP

ASSIGNMENT

WHEREAS, WE, **John D. Stewart, Scott J. Morrison, Johnie P. Spruiell, Matthew J. Sitzmann, Patrick T. Price and Steven R. Smith**, citizens of the United States and residing at the addresses as stated below, respectively, have jointly made an invention entitled "APPARATUS FOR TESTING STRUCTURAL COMPONENT SAMPLES BY IMPACTING WITH ICE BALLS" for which we have filed an application for United States Letters Patent

on 12/17/2002 under Serial No. 10/321,294 ;

WHEREAS, we represent and warrant that we are the joint owners of said invention and application for Letters Patent;

WHEREAS, HAAG ENGINEERING CO. (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of the State of Texas, U.S.A. having a place of business at 2455 McIver Lane, Carrollton, Texas 75006, is desirous of acquiring the same;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by us, we have assigned, sold, transferred and set over and by these by these presents do assign, sell, transfer and set over unto said ASSIGNEE the entire right, title and interest in and to (a) said invention and worldwide rights therein; (b) said application, including all divisions, continuations and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including all reissues, renewals and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file corresponding applications for Letters Patent or the legal equivalent thereof on said invention in any and all foreign countries, and the right to claim priority under any and all treaties and conventions to which the United States of America is signatory including the Paris Convention for the Protection of Industrial Property and the Patent Cooperation Treaty for such corresponding applications, or any division, continuation, renewal or substitution thereof, and as to letters patent any reissue, re-examination or extension thereof, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this assignment not been made.

We jointly and severally covenant and agree that we will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in

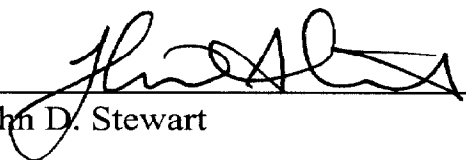
said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

We jointly and severally represent and covenant that no assignment, mortgage, sale, license, pledge, encumbrance or alienation of said invention or patent application has been or will be made or entered into which would conflict with this assignment and sale.

We hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent based on said application and each division, continuation, substitution, reissue, renewal and extension thereof to said ASSIGNEE, its successors and assigns.

IN TESTIMONY WHEREOF, we have duly executed this assignment on the date as indicated next to our names.

Date: Feb 13, 2003

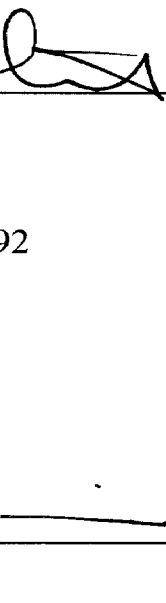


John D. Stewart

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2920 Burney Lane
Southlake, Texas 76092

Date: 14 FEB 03

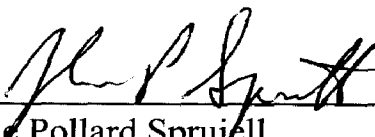


Scott James Morrison

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Date: 03 Feb 2003



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Date: 17 Feb 2003



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Date: 2-13-03



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Date: 2/13/03



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