



11-16-1998

IN



100877417

JD TRADEMARK OFFICE

Attorney Docket No. 2529-500002

11/9/98 \$

COVER SHEET FOR RECORDAL OF DOCUMENT (PATENT)

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

(1) Name Of Party Conveying The Interest:

Samsung Heavy Industries Co., Ltd.
890-25, Daechi-Dong, Kangnam-ku
Seoul, KOREA

(2) Name And Address Of Party Receiving The Interest:

Volvo Construction Equipment Korea Co., Ltd.
1 Guyhon-dong, Changwon City
Kyongnam Province, KOREA

(3) Description Of The Transaction To Be Recorded:

☒ Assignment ☐ License
☐ Change of Name ☐ Other _____

(4) Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:

☐ Serial Number _____, filed _____
☐ Application being filed concurrently herewith.
☒ Patents and patent applications listed in Schedule I below:

11/13/1998 DNGUYEN 00000379 08762916

01 FC:581

3600.00 OP





(5) **Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:**

G. Gregory Schivley
HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, MI 48303

(6) **Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:**

Number of Applications/Patents: . 90

Total Recordal Fee Enclosed: . . . \$3,600.00

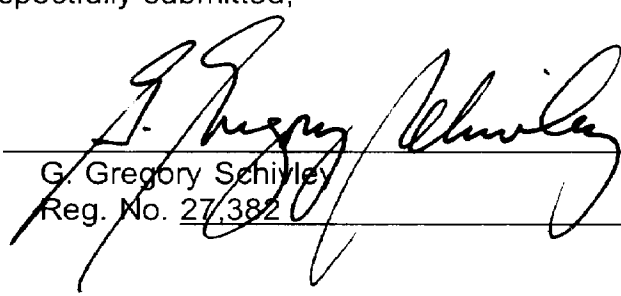
(7) **Date(s) The Document Was Executed:** October 17, 1998

To the best of my knowledge and belief, the foregoing information is true and correct, and if the attached is not an original document, the undersigned verifies that it is a true copy of the original.

If, for some reason, Applicant(s) has/have not paid a sufficient fee, please charge our Deposit Account No. 08-0750 for any further fees which may be due. A duplicate copy of this document is enclosed.

Respectfully submitted,

By: _____


G. Gregory Schivley
Reg. No. 27,382

Date: November 5, 1998

CASES UNDER APPLICATION

COUNTRY : U.S.

AGENT : HARNESS

COUNTRY	RIGHTS	APP NO	APP DATE	Your Ref	Our Ref	AGENT
U.S	PATENT	08/762916	96.12.10	2529-000012	SHIP6092-US	HARNESS
U.S	PATENT	08/762917	96.12.10	2529-00003	SHIP6083-US	HARNESS
U.S	PATENT	08/762918	96.12.05	2529-000001	SHIP6074-US	HARNESS
U.S	PATENT	08/762919	96.12.10	2529-000002	SHIP6075-US	HARNESS
U.S	PATENT	08/762953	96.12.11	2529-000007	SHIP6087-US	HARNESS
U.S	PATENT	08/762954	96.12.10	2529-000013	SHIP6093-US	HARNESS
U.S	PATENT	08/762968	96.12.10	2529-000004	SHIP6084-US	HARNESS
U.S	PATENT	08/762977	96.12.11	2529-000011	SHIP6091-US	HARNESS
U.S	PATENT	08/762986	96.12.11	2529-000010	SHIP6090-US	HARNESS
U.S	PATENT	08/762987	96.12.10	2529-000006	SHIP6086-US	HARNESS
U.S	PATENT	08/762989	96.12.11	2529-000005	SHIP6085-US	HARNESS
U.S	PATENT	08/890112	97.07.09	2529-000022	SHIP6094-US	HARNESS
U.S	PATENT	08/890113	97.07.09	2529-000021	SHIP60102-US	HARNESS
U.S	PATENT	08/890841	97.07.10	2529-000026	SHIP60101-US	HARNESS
U.S	PATENT	08/890846	97.07.10	2529-000025	SHIP6099-US	HARNESS
U.S	PATENT	08/891191	97.07.10	2529-000023	SHIP6096-US	HARNESS
U.S	PATENT	08/891192	97.07.10	2529-000024	SHIP6097-US	HARNESS
U.S	PATENT	08/891264	97.07.10	2529-000027	SHIP60104-US	HARNESS
U.S	PATENT	08/909329	97.08.11	2529-000028	SHIP60103-US	HARNESS
U.S	PATENT	08/988615	97.12.11	2529-000030	SHIP60112-US	HARNESS
U.S	PATENT	08/989050	97.12.11	2529-000029	SHIP60109-US	HARNESS
U.S	PATENT	08/993079	97.12.18	2529-000031	SHIP60107-US	HARNESS
U.S	PATENT	08/993080	97.12.18	2529-000032	SHIP60110-US	HARNESS
U.S	PATENT	08/993082	97.12.18	2529-000033	SHIP60111-US	HARNESS
U.S	PATENT	08/994170	97.12.19	2529-000034	SHIP60105-US	HARNESS
U.S	PATENT	08/994171	97.12.19	2529-000035	SHIP60108-US	HARNESS
U.S	PATENT	08/998985	97.12.29	2529-000036	SHIP60106-US	HARNESS
U.S	PATENT	08/998986	97.12.29	2529-000038	SHIP60114-US	HARNESS
U.S	PATENT	08/999295	97.12.29	2529-000037	SHIP60113-US	HARNESS



SCHEDULE I



CASES UNDER APPLICATION

COUNTRY : U.S

AGENT : HARNESS

COUNTRY	RIGHTS	APP NO	APP DATE	Your Ref	Our Ref	AGENT
U.S	DESIGN	29/064652	96.12.23	2529-000015	SHID605-US	HARNESS
U.S	DESIGN	29/064649	96.12.23	2529-000014	SHID607-US	HARNESS

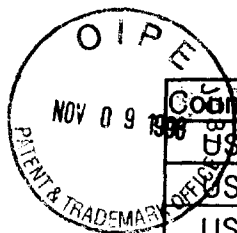


CASES ISSUED

COUNTRY : U.S

COUNTRY	RIGHTS	APP NO	APP DATE	REG NO	REG DATE	AGENT
U.S	PATENT	07/810512	91.12.19	5178688	93.01.12	PRICE, HENEVELD
U.S	PATENT	07/829699	92.01.31	5201177	93.04.13	PRICE, HENEVELD
U.S	PATENT	07/728100	91.07.10	5245770	93.09.21	PRICE, HENEVELD
U.S	PATENT	07/790769	91.11.12	5251440	93.10.12	PRICE, HENEVELD
U.S	PATENT	07/765162	91.09.23	5308219	94.05.03	PRICE, HENEVELD
U.S	PATENT	07/963564	91.10.19	5318709	94.05.31	PRICE, HENEVELD
U.S	PATENT	07/783559	91.10.28	5361211	94.11.01	PRICE, HENEVELD
U.S	PATENT	07/791559	91.11.14	5434785	95.07.18	PRICE, HENEVELD
U.S	PATENT	07/705382	91.05.24	5096253	92.03.17	NILLES&NILLES
U.S	PATENT	08/234226	94.04.28	5410878	95.05.02	LIBERMANN
U.S	PATENT	08/241870	94.05.12	5493938	96.02.27	LIBERMANN
U.S	PATENT	08/323146	94.10.14	5493950	96.02.27	LIBERMANN
U.S	PATENT	08/340236	94.11.16	5497622	96.03.12	LIBERMANN
U.S	PATENT	08/326329	94.10.20	5510987	96.04.23	LIBERMANN
U.S	PATENT	08/265068	94.06.28	5527401	96.06.18	LIBERMANN
U.S	PATENT	08/334217	94.11.04	5527156	96.06.18	LIBERMANN
U.S	PATENT	08/323752	94.10.17	5529347	96.06.25	LIBERMANN
U.S	PATENT	08/323026	94.10.14	5551313	96.09.03	LIBERMANN
U.S	PATENT	08/323838	94.10.14	5564899	96.10.15	LIBERMANN
U.S	PATENT	08/334542	94.11.04	5590730	97.01.07	LIBERMANN
U.S	PATENT	08/340629	94.11.16	5599073	97.02.04	LIBERMANN
U.S	PATENT	08/228743	94.04.18	5638863	97.06.17	LIBERMANN
U.S	PATENT	08/340772	94.11.16	5643531	97.07.01	LIBERMANN
U.S	PATENT	08/233517	94.04.26	5659485	97.08.19	LIBERMANN
U.S	PATENT	08/323380	94.10.14	5664655	97.09.09	LIBERMANN
U.S	PATENT	08/497513	95.06.30	5540258	96.07.30	KEYON&KEYON
U.S	PATENT	08/497130	95.06.30	5568727	96.10.29	KEYON&KEYON
U.S	PATENT	08/497668	95.06.30	5579677	96.12.03	KEYON&KEYON
U.S	PATENT	08/497574	95.06.30	5584227	96.12.17	KEYON&KEYON
U.S	PATENT	08/497628	95.06.30	5586577	96.12.24	KEYON&KEYON
U.S	PATENT	08/564758	95.11.29	5586536	96.12.24	KEYON&KEYON
U.S	PATENT	08/501222	95.07.11	5590438	97.01.07	KEYON&KEYON
U.S	PATENT	08/497187	95.06.30	5592967	97.01.14	KEYON&KEYON
U.S	PATENT	08/497125	95.06.30	5615705	97.04.01	KEYON&KEYON
U.S	PATENT	08/497173	95.06.30	5615991	97.04.01	KEYON&KEYON
U.S	PATENT	08/500724	95.07.11	5628015	97.05.06	KEYON&KEYON
U.S	PATENT	08/564826	95.11.29	5627467	97.05.06	KEYON&KEYON
U.S	PATENT	06/563689	95.11.27	5635255	97.06.03	KEYON&KEYON
U.S	PATENT	08/497345	95.06.30	5655751	97.08.12	KEYON&KEYON
U.S	PATENT	08/564827	95.11.29	5666427	97.09.09	KEYON&KEYON
U.S	PATENT	08/497041	95.06.30	5673605	97.10.07	KEYON&KEYON
U.S	PATENT	08/497325	95.06.30	5680759	97.10.28	KEYON&KEYON
U.S	PATENT	08/742302	96.11.01	5682855	97.11.04	KEYON&KEYON
U.S	PATENT	08/565264	95.11.30	5688101	97.11.18	KEYON&KEYON
U.S	PATENT	08/505500	95.07.21	5716160	98.02.10	KEYON&KEYON
U.S	PATENT	08/497096	95.06.30	5755260	98.05.26	KEYON&KEYON
U.S	PATENT	08/563840	95.11.29	5758740	98.06.02	KEYON&KEYON
U.S	PATENT	08/762990	96.12.10	5704429	98.01.06	HARNESS
U.S	PATENT	07/980327	92.11.23	5273403	93.12.28	ABELMAN
U.S	PATENT	07/980269	92.11.23	5297941	94.03.29	ABELMAN

CASES ISSUED



Country	Rights	App. No.	App. Date	Reg. No.	Reg. Date
US	PATENT	08/168507	93-12-22	5442868	95-08-22
US	PATENT	08/541717	95-10-10	5629849	97-05-13
US	PATENT	08/364933	94-12-28	5600566	97-02-04
US	PATENT	08/343874	94-11-17	5600229	97-02-04
US	PATENT	08/754919	96-11-22	5768810	98-06-23
US	PATENT	07/981219	92-11-25	5270626	93-12-14
US	PATENT	07/981218	92-11-25	5303551	94-04-19
US	PATENT	07/981211	92-11-25	5347448	94-09-13
US	DESIGN	29/045743	95-10-27	391272	98-02-24

PATENT ASSIGNMENT

WHEREAS, **SAMSUNG HEAVY INDUSTRIES CO., LTD.**, a corporation governed by the laws of Korea and having a place of business at 890-25, Daechi-dong, Kangnam-ku, Seoul, KOREA, hereinafter referred to as "Assignor", is the owner of certain U.S. patents and patent applications identified in Schedule I attached hereto;

WHEREAS, **VOLVO CONSTRUCTION EQUIPMENT KOREA CO., LTD.**, a corporation governed by the laws of the Korea and having a place of business at 1 Guyhon-dong, Changwon City, Kyongnam Province, Korea, hereinafter referred to as "Assignee", is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee, and its successors in interest, the full and exclusive right in the United States of America, all of Assignor's right, title and interest in the patents and patent applications listed in Schedule I, including the right to claim priority under the laws of the United States and the Paris Convention, to the said inventions as described in the aforesaid applications, said applications for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made; and Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of applications for patent in the United States, for litigation regarding, or for the purpose of protecting title to the said invention, including the right to sue and collect damages for past infringement, without further or other compensation than that above set forth; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue United States Letters Patents to Assignee for the pending applications.

SAMSUNG HEAVY INDUSTRIES CO., LTD

Witness: Suzan Kim

Date: Oct. 17, 1998

Witness: Edward Yoon

Date: Oct. 17, 1998

By: H. K. Lee

Typed Name: Hae Kuy LEE

Title: C. E. O.

Date: Oct. 17, 1998

CASES UNDER APPLICATION

COUNTRY : U.S.

AGENT : HARNESS

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U.S.	PATENT	08/890846	97.07.10	2529-000025	SHIP6099-US	HARNESS
U.S.	PATENT	08/891191	97.07.10	2529-000023	SHIP6096-US	HARNESS
U.S.	PATENT	08/891192	97.07.10	2529-000024	SHIP6097-US	HARNESS
U.S.	PATENT	08/891264	97.07.10	2529-000027	SHIP60104-US	HARNESS
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U.S.	PATENT	08/993079	97.12.18	2529-000031	SHIP60107-US	HARNESS
U.S.	PATENT	08/993080	97.12.18	2529-000032	SHIP60110-US	HARNESS
U.S.	PATENT	08/993082	97.12.18	2529-000033	SHIP60111-US	HARNESS
U.S.	PATENT	08/994170	97.12.19	2529-000034	SHIP60105-US	HARNESS
U.S.	PATENT	08/994171	97.12.19	2529-000035	SHIP60108-US	HARNESS
U.S.	PATENT	08/998985	97.12.29	2529-000036	SHIP60106-US	HARNESS
U.S.	PATENT	08/998986	97.12.29	2529-000038	SHIP60114-US	HARNESS
U.S.	PATENT	08/999295	97.12.29	2529-000037	SHIP60113-US	HARNESS



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COUNTRY : U.S

AGENT : HARNESS

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U.S	DESIGN	29/064652	96.12.23	2529-000015	SHID605-US	HARNESS
U.S	DESIGN	29/064649	96.12.23	2529-000014	SHID607-US	HARNESS

SCHEDULE I

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U.S	PATENT	08/323360	94.10.14	5664655	97.09.09	LIBERMANN
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U.S	PATENT	08/497668	95.06.30	5579677	96.12.03	KEYON&KEYON
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U.S	PATENT	08/565264	95.11.30	5688101	97.11.18	KEYON&KEYON
U.S	PATENT	08/505500	95.07.21	5716160	98.02.10	KEYON&KEYON
U.S	PATENT	08/497096	95.06.30	5755260	98.05.26	KEYON&KEYON
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U.S	PATENT	07/980269	92.11.23	5297941	94.03.29	ABELMAN

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US	PATENT	08/364933	94-12-28	5600566	97-02-04
US	PATENT	08/343874	94-11-17	5600229	97-02-04
US	PATENT	08/754919	96-11-22	5768810	98-06-23
US	PATENT	07/981219	92-11-25	5270626	93-12-14
US	PATENT	07/981218	92-11-25	5303551	94-04-19
US	PATENT	07/981211	92-11-25	5347448	94-09-13
US	DESIGN	29/045743	95-10-27	391272	98-02-24