



04-06-2004

Docket No. 49524/CM/M277

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

Form with sections 1-10 containing details of the patent application conveyance, including names of parties, application numbers, and fees.

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ASSIGNMENT

WHEREAS, WE, MADAPUSI K. KESHAVAN; J. DANIEL BELNAP; AND DAVE SLUTZ, residing at 19 Betony Place, The Woodlands, Texas 77382; 420 South, 1660 East, Pleasant Grove, Utah, 84062; and 1944 Saucon Lane, Bethlehem, Pennsylvania 18015, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **METHOD OF MANUFACTURING A CUTTING ELEMENT FROM A PARTIALLY DENSIFIED SUBSTRATE**, filed September 18, 2003, Application No. 10/665,304, together with claim to the priority of United States Provisional Application No. 60/411,942, filed September 18, 2002.

AND WHEREAS SMITH INTERNATIONAL, INC., a Delaware Corporation, having a place of business at 16740 Hardy Street, Houston, Texas 77032 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

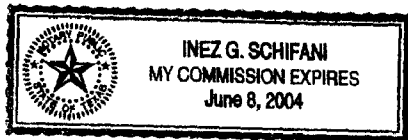
AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 30th day of January, 20 04

Madapusi K. Keshavan
Madapusi K. Keshavan

STATE OF Texas)
COUNTY OF HARRIS)

On 1-30-04, before me Inez Schifani, Notary Public, personally appeared **Madapusi K. Keshavan** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



WITNESS my hand and official seal.

Inez G. Schifani
Signature of Notary

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____, 20____.

J. Daniel Belnap

STATE OF _____)
COUNTY OF _____)

On _____, before me _____, Notary Public, personally appeared **J. Daniel Belnap** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____, 20 _____

Madapusi K. Keshavan

STATE OF _____)
COUNTY OF _____)

On _____, before me _____, Notary Public, personally appeared Madapusi K. Keshavan personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

IN TESTIMONY WHEREOF, I hereunto set my hand this 2 day of February, 2004.

J. Daniel Belnap

J. Daniel Belnap

STATE OF _____)
COUNTY OF _____)

On February 2, 2004, before me Sharmae W. Gilgen, Notary Public, personally appeared J. Daniel Belnap personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Sharmae W. Gilgen

Signature of Notary

