Atty. Docket No.: Page 1 of 1

7.02.01 REC 101/69907				
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
Name of conveying party(ies):	2. Name and address of receiving party(ies)			
HYVARINEN, Jaakko; STENMAN, Folke	Name: Fortum Oyj			
Additional name(s) of conveying party(ies) attached? YES NO	Internal Address:			
3. Nature of conveyance: ☐ Assignment ☐ Merger	Street Address: Keilaniemi JUL – 2 2001 City: Espoo State: ZIP:			
☐ Security Agreement ☐ Change of Name	Country: Finland Postal Code: FIN-02150			
Other:	Additional name(s) & address(es) attached? YES NO			
Execution Date: May 14 and June 11, 2001 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). 09/831,272	B. Patent No.(s).			
Additional numbers attached? YES NO				
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total No. of applications/patents involved: one (1)			
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	7. Total fee (37 C.F.R. § 3.41): \$40.00 ⊠ Enclosed ⊠ Authorized to be charged to deposit account,			
Street Address: P.O. BOX 747				
City: FALLS CHURCH State: VA ZIP: 22040-0747	if no fee attached.			
Country: USA	8. Deposit account number: 02-2448			
,	(Attach triplicate copy of this page if paying by deposit account)			
2001 DBYRNE 00000101 09831272 DO NOT USE THIS SPACE				
Statement and signature. 40.00 0P				
To the best of my knowledge and belief, the foregoing is copy of the original document.	information is true and correct and any attached copy is a true			
Leonard R. Svensson, #30,330 Name of Person Signing/Reg. No.	Signature June 28, 2001 Date			
Total number of pages including cover sh	neet, attachments, and document: three (3)			

LRS/clh

(Rev. 01/11/01)

PATENT REEL: 011945 FRAME: 0218

For C

BIRCH, STEWART, KOLASCH & BIRCH, LLP

United States Patent Rights, or United States Plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

ASSIGNMENT

	Application No. 09/831,272 Filed April 27, 200
nsert Name(s)	♦ WHEREAS, Jaakko Hyvärinen and
of Inventor(s)	Folke Stenman
	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
nsert Title of Invention	Method and device for modifying the irradiance distribution
	of a radiation source
	for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).
nsert Date of Signing of opplication	on May 14, 2001; and June 11, 2001; and
nsert Name f Assignee	WHEREAS, Fortum Oyj
nsert Address f Assignee	▶ of Keilaniemi, FIN-02150 Espoo, Finland
CHECK BOX	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and I in any and all foreign countries.
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

terms for which the same may be granted.

PATENT

REEL: 011945 FRAME: 0219

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

May 14, 2001 Date $\frac{14.5.2001}{1}$,	Name of Inventor family Hy	Jaakko Hyvärinen
Date June 11, 2001,	Name of Inventor <u>Folly General</u> (signature)	Folke Stenman
Date ,	Name of Inventor(signature)	
Date ,	Name of Inventor(signature)	
Date,	Name of Inventor(signature)	
Date,	Name of Inventor(signature)	

PATENT REEL: 011945 FRAME: 0220