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Atty. Docket No.: 0365-0566P

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7-15-03 RECORDATION FORMS ET				
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] NIKKONEN, Jouko HILTUNEN, Jyrki MAKKONEN, Jaana TIITTA, Marja EILOS, Isto HAGELBERG, Pasi Additional name(s) of conveying party(ies) attached? YES NO 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name	2. Name and address of receiving party(ies) Fortum Oyj Keilaniemi FIN-02150 Espoo FINLAND Additional name(s) & address(es) attached? ☐ YES ☒ NO			
Other: Execution Date: June 17, 2003 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). B. Patent No.(s).				
Additional numbers attact 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747	hed? YES NO 6. Total No. of applications/patents involved: one (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 02-2448			
Country: USA 7/2003 DBYRHE 00000125 10450949 C:8021 40.00 DP DO NOT USE	(Attach triplicate copy of this page if paying by deposit account)			
9. Statement and signature. Andrew D. Meikle, #32,868 Name of Person Signing/Reg. No. Total number of pages including cover she	Signature July 15, 2003 Date Date Det, attachments, and document: three (3)			

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ATTORNEY DOCKET NO. 0365-0566P

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

	Application No. 10/450,	949	Filed June 18, 20	03	
nsert Name(s) f Inventor(s)	***(FAMILY NAME (ALL CAPS), Given Name)***				
	WHEREAS, NIK	KONEN, Jouko	; HILTUNEN, Jyrki		
	MAKKONEN, Jaana	; TIITTA, Marja	; EILOS, Isto		
	HAGELBERG, Pasi	2	;		
		;	;		
		;	•		
		;	;		
		;	;		
nsert Title of Invention	· -	ersion of olefins	in new and useful improvements in		
	for which an application for I undersigned (except in the case		of America has been executed by the		
nsert Date of Signing of Application	on June 17, 2003		;	an	
nsert Name of Assignee	whereas,F	ortum Oyj			
nsert Address of Assignee	ofKeilaniemi, FIN-02150 Espoo, Finland				
CHECK BOX F APPROPRIATE					
	the receipt of which is hereby has (have) sold, assigned and Assignee the full and exclusive dependencies and possessions which may be granted there	acknowledged, and other good and vertransferred, and by these presents of eright to the said invention in the U and the entire right, title and interest	10.00) to the undersigned in hand paid, valuable consideration, the undersigned does sell, assign and transfer unto said United States of America, its territories, in and to any and all Letters Patent(s) rica, its territories, dependencies and in countries;		
	and to any and all divisions, re	issues, continuations, conversions an	d extensions thereof for the full term or		

terms for which the same may be granted.

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PATENT REEL: 014267 FRAME: 0609

Attorney Docket No	
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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 patent(s) or 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).

Date _	June 17, 2003	Name of Inventor July N.M.	~
Date _	June 17, 2003	Name of Inventor (signature)	Jouko Nikkonen
Date _	June 17, 2003	Name of Inventor (signature)	Jyrki Hiltunen ONN Jaana Makkonen
Date _	17.6.2003	Name of Inventor (signature)	e, Marja Tiitta
Date _	June 17, 2003	Name of Inventor (signature)	Isto Eilos
Date _	June 17, 2003	Name of Inventor	
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RECORDED: 07/15/2003

January 2002