FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 05-20-2005

Docket No.: 187-94 DES

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A. Patent Application No.(s) 5/19/2005 MBELETE1 00000052 29230054 1 FC:8021 Additional numbers attac	B. Patent No.(s)	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents	involved: 1
Name: Charles R. Hoffmann, Esq.	7. Total fee (37 CFR 3.41):\$ 44	0.00
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Attorney's Docket No.: 187-94 DES		PATENT
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In consideration of the payment by ASSIGNEE to A \$1.00), the receipt of which is hereby acknowledged, and foonsideration,		
ASSIGNORS: (inventors or persons or entities who own the invention)		
Pertti Puolakanaho, Sorjosenmutka	5, FI	-90810 Kiviniemi, Finland Finnis
Juho Rahko, Laamannintie 3 A l, F	I - 9065	O Oulu, Finland Finnish
(Type or print name, address and nationality of ASSIGNORS)		
If assignment is by person or entity to whom invention was previously assigna	ed and this	s was recorded in PTO add the following)
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(Type or print name, address and nationality of ASSIGNEE)		· · · · · · · · · · · · · · · · · · ·
and the successors, assigns and legal representatives of the	ASSIG:	NEE,
(complete one of the following)		
[x] the entire right, title and interest [] an undivided percent (%) interest	terest	

and in all foreign countries, including all rights to claim priority,

for the United States and its territorial possessions

[]

PATENT REEL: 016573 FRAME: 0289

"Dot matrix for liquid crystal display"						
and which is found in						
		(check and complete (a), (b), (c), (d), (e), (f), or (g))				
(a)	[x]	U.S. patent application executed on even date herewith				
(b)	[]	U.S. patent application executed on `				
(c)	ij	U.S. provisional application naming the above inventor(s) for the above-identified invention.				
		[] Express Mail label No.:, mailed:				
(d)	[]	To comply with 37 CFR 3.21 for recordal of this assignment, I/We, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known U.S. application Serial No/, filed on				
(e)	[]	International application No. PCT//				
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(-)	.,	[] A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.				
(g)		[] and any legal equivalent thereof in a foreign country, including the right to				

in and to any and all improvements which are disclosed in the invention entitled:

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal on this day set forth below.

PATENT REEL: 016573 FRAME: 0290

Date: X 12.4.2005	X Part Parelle
Date of signing Date: X 12.7.2005 Date of signing	Pertti Puolakanaho X Juko Rahko
Date: X Date of signing	X
Date: X	<u>X</u>

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked

112453-1

RECORDED: 05/16/2005

above.

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