To the best of my knowledge and belief, the foregoing information/s true and correct and any attached copy is a true copy

Signature

of the original document.

Name of Person Signing

Joseph W. Price

PATENT REEL: 011669 FRAME: 0019

March 29, 2001

Date

ASSIGNMENT

WHEREAS, Kazutoshi O	we, Shi NOZAWA, a	nichi IJIM nd Hideyuk	1A, Kazu i NAKAN	hiko YAMA ISHI	NAKA,		
-							
citizens of improvements	in an OP	nave in	vented ONENT-II	certain NTEGRATED	new a OPTICAL	nd us€ PICKUP	ful
for which we United States	have exe	cuted appl	lication	for Lett	ers Pat	ent of	the

WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation of Japan, having a principal place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka-fu, Japan, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application,

NOW, THEREFORE, in consideration of the sum of One Hundred Yen (100 \(\) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Shinichi IJIMA, Kazuhiko YAMANAKA, Kazutoshi ONOZAWA, and Hideyuki NAKANISHI

have sold, assigned, transferred and set over, unto said MATSUSHITA INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, the entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals and continuations thereof, and all Letters Patents of the United States, which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every country of the Union, and all applications for Letters Patents which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patents which may be granted for said improvements in any country or countries foreign to the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents, on applications as aforesaid, to issue all Letters Patents for said improvements to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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 said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its

Page 1 of 2

PATENT REEL: 011669 FRAME: 0020

proc cont gene INDI assi	respecting said impriseeding, sign all law inuing and reissue appearably do everything postrible co., LTD., its	ovements, wful papers plications, pssible to successors force proper	assigns, any facts known to and testify in any legal s, execute all divisional, make all rightful oaths and aid said MATSUSHITA ELECTRIC s, legal representatives and r patent protection for said			
	IN TESTIMONY WHEREOF,	I hereunto	set my hand this 19th			
day	of March					
		-	Shinichi Ijima Shinichi IJIMA			
		S	hinichi IJIMA			
	IN TESTIMONY WHEREOF,	I hereunto	set my hand this 19th			
day	of March	2001 .				
		К	Kazuluko Jemanaka azuhiko YAMANAKA			
IN TESTIMONY WHEREOF, I hereunto set my hand this 19th						
day	of March	2001 .				
		<u> </u>	Lazutoshi ONOZAWA			
IN TESTIMONY WHEREOF, I hereunto set my hand this 19th						
day	of March	,2001 .				
		<u> </u>	Hideyak. Nakaurshi.			

Page 2 of 2

IN TESTIMONY WHEREOF, I hereunto set my hand this _____

day of _____,

RECORDED: 03/29/2001

PATENT REEL: 011669 FRAME: 0021