PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL COULEUR	06/30/2022
NICOLA RASERA	07/07/2022
NIKOLA JOVANOVIC	07/06/2022

RECEIVING PARTY DATA

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Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	17931088		

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DATE SIGNED:	09/09/2022

Total Attachments: 2

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PATENT 507484379 REEL: 061052 FRAME: 0455

ASSIGNMENT BY INVENTORS

WHEREAS, we, Micl	nael Coul	eur, Nicola Rasera	a, Nikola Jo	ovanovic (here	inafter refer	red to as	
"Assignors") have invente	ed certain	new and useful imp	provements	in "Multi-Lev	el Power C	onverter W	ith
Low-Gain Phase-Locked	l Loop Co	ontrol", shown and	described i	n U.S. Patent A	Application	No.	
17/931,088	filed	September 9, 2022	(the "A	Application") a	nd;		
WHEREAS, Apple In	ı c. , a Calif	fornia corporation,	having its p	rincipal place	of business	at One Appl	e Park
Way, Cupertino, CA 9501	4, U.S.A	(hereinafter referre	d to as Assi	gnee), is desire	ous of acqui	ring Assigno	ors
entire right, title and interes	est in and	to said inventions,	Application	and any paten	nts which ma	ay issue there	eon;
NOW, THEREFORE,	be it know	wn by all whom it r	may concern	n that for good	and valuabl	le considerat	tion,
the receipt of which is her	eby ackno	wledged, Assignor	s agree to a	ssign and here	by assign to	Assignee fo	or the
territory of the United Sta	tes of Amo	erica and the entire	world Assi	gnors entire rig	ght, title and	l interest in a	and to
said inventions and Applie	cation, and	d in and to any and	all patent a	pplications in t	the United S	tates and all	
countries foreign to the Un	nited State	es which may claim	priority to	said Application	on or which	may be dire	cted
to said inventions, said pa	tent applic	cations including w	rithout limit	ation any and a	all provision	als,	
non-provisionals, division	als, contin	nuations, continuati	ons-in-part,	utility models	, industrial 1	models, and	
designs, and in and to any	and all pa	atents in the United	States and	all countries fo	oreign to the	United State	es
which may be granted the	refore and	thereon, and in an	d to any reis	ssues, reexami	nations, and	extensions	of
said patents. Assignors he	reby trans	fer and convey to A	Assignee an	y right to recov	ver for past a	and future	
infringement of the patent	s assigned	l herein.					
Assignors HEREBY g	rant the at	ttorneys at Kowert	Hood Mu	ıyon Rankin a	and Goetzel	l P.C. the po	wer
to insert on this Assignme	nt any fur	ther identification v	which may	be necessary of	r desirable i	n order to co	mply
with the rules of the Unite	d States P	atent and Tradema	rk Office fo	r recordation o	of this docum	nent.	
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Jun 30, 2022				Michael Cou	ileur		

Jul 7, 2022

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/ MO Nicola Rasera

/Nikola Jovanovic
Nikola Jovanovic

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