DESIGN OF AN INTEGRATED MODULAR MOTOR DRIVE (IMMD) FOR TRACTION APPLICATIONS

A THESIS SUBMITTED TO THE GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES OF MIDDLE EAST TECHNICAL UNIVERSITY

BY

Yazar Ad Soyad

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR
THE DEGREE OF MASTER OF SCIENCE
IN
COMPUTER ENGINEERING

SEPTEMBER 2019

Approval of the thesis:

DESIGN OF AN INTEGRATED MODULAR MOTOR DRIVE (IMMD) FOR TRACTION APPLICATIONS

submitted by Yazar Ad Soyad in partial fulfillment of the requirements for the degree of Master of Science in Computer Engineering Department, Middle East Technical University by,

Prof. Dr. Gülbin Dural Ünver Dean, Graduate School of Natural and Applied Sciences	
Prof. Dr. Tolga Çiloğlu Head of Department, Computer Engineering	
Prof. Dr. Ozan Keysan Supervisor, Department of Electrical and Electronics Engi- neering, METU	
Examining Committee Members:	
Prof. Dr. Muammer Ermiş Department of Electrical and Electronics Engineering, METU	
Prof. Dr. Ozan Keysan Department of Electrical and Electronics Engineering, METU	
Prof. Dr. Işık Çadırcı JüriBölüm, METU	
Assoc. Prof. Dr. Jüri JüriBölüm, METU	
Assist. Prof. Dr. Jüri JüriBölüm, Ankara University	
Date:	

I hereby declare that all information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all					
material and results that are not original to this work.					
	Name, Last Name: Yazar Ad Soyad				
	Signature :				

ABSTRACT

DESIGN OF AN INTEGRATED MODULAR MOTOR DRIVE (IMMD) FOR TRACTION APPLICATIONS

Uğur, Mesut
M.S., Department of Computer Engineering
Supervisor : Prof. Dr. Ozan Keysan

September 2019, 5 pages

Abstract

Keywords: Keyword1, Keyword2...

ÇEKİŞ SİSTEMLERİ İÇİN BİR TÜMLEŞİK MODÜLER MOTOR SÜRÜCÜ (TMMS) SİSTEMİ GELİŞTİRİLMESİ

Uğur, Mesut

Yüksek Lisans, Bilgisayar Mühendisliği Bölümü

Tez Yöneticisi : Prof. Dr. Ozan Keysan

Eylül 2019, 5 sayfa

Özet Türkçe

Anahtar Kelimeler: Anahtar Kelime 1, Anahtar Kelime 2...

İthafen...

ACKNOWLEDGMENTS

Teşekkür edilecekler

TABLE OF CONTENTS

ABSTRACT	V
ÖZ	⁄i
ACKNOWLEDGMENTS	ii
TABLE OF CONTENTS	X
LIST OF TABLES	X
LIST OF FIGURES	ίi
LIST OF ABBREVIATIONS	ii
CHAPTERS	
1 ÖRNEK BÖLÜM	1
1.1 Örnek Kısım	1
REFERENCES	3
APPENDICES	
A EK A	5
A.1 Örnek Kısım	5

LIST OF TABLES

TABLES

LIST OF FIGURES

FIGURES

LIST OF ABBREVIATIONS

Kıs1 Kısaltma1

Kıs2 Kısaltma2

CHAPTER 1

ÖRNEK BÖLÜM

Bölüme yazılacaklar...

Alıntı yapmak için [1]

Kısıma referans vermek için 1.1

1.1 Örnek Kısım

Kısıma yazılacaklar...

Bölüme referans vermek için A

REFERENCES

[1] Ultimaker Cura Software, 2017 (last released May 12, 2017). available: https://ultimaker.com/en/products/ultimaker-cura-software.

APPENDIX A

EK A

A.1 Örnek Kısım

Kısım içine yazılacaklar...