



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بـلله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات

لم ترد بالأصل



El Mansoura University
Faculty of Engineering
Mech. Design and prod. Eng. Dept.

B11900

***Surface Modification of
Engineering Materials by Physical
Vapour Deposition Coatings and
Ion Implantation***

By
Eng. Gaber Abd El-Fattah El-Awadi
Atomic Energy Authority
Nuclear Research Center
Cyclotron Project

***A Thesis Submitted to the
Faculty of Engineering at Mansoura University***

In Partial Fulfillment of the Requirement of the degree of

***PhD of Science
In
Production Engineering
Mansoura University***

2006



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بسم الله الرحمن الرحيم

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

[البقرة : الآية ٣٢]

Supervisors

Thesis Title : Surface Modification of Engineering Materials by Physical Vapour Deposition Coatings and Ion Implantation

Researcher Name : Gaber Abd El-Fattah El-Awadi

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Examination Committee

Thesis Title : Surface Modification of Engineering Materials By Physical Vapour Deposition Coatings and Ion Implantation

Researcher Name : Gaber Abd El-Fattah El-Awadi

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Examination Date : 20 / 2 / 2006

Thesis Grade : PhD degree

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