

## Feasibility Study of Jupiter Icy Moons Orbiter Permanent Magnet Alternator Start Sequence



Feasibility Study of Jupiter Icy Moons Orbiter Permanent Magnet Alternator Start Sequence

NASA Technical Reports Server (NTRS)

Filesize: 6.05 MB

### Reviews

*Excellent eBook and useful one. It can be rally fascinating throgh looking at period. You can expect to like just how the blogger create this publication.  
(Myrl Schmitt)*

## FEASIBILITY STUDY OF JUPITER ICY MOONS ORBITER PERMANENT MAGNET ALTERNATOR START SEQUENCE

[DOWNLOAD PDF](#)

To read **Feasibility Study of Jupiter Icy Moons Orbiter Permanent Magnet Alternator Start Sequence** PDF, make sure you click the hyperlink under and save the document or have access to other information which might be have conjunction with **FEASIBILITY STUDY OF JUPITER ICY MOONS ORBITER PERMANENT MAGNET ALTERNATOR START SEQUENCE** book.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 28 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The Jupiter Icy Moons Orbiter (JIMO) mission was a proposed, (recently cancelled) long duration science mission to study three moons of Jupiter: Callisto, Ganymede, and Europa. One design of the JIMO spacecraft used a nuclear heat source in conjunction with a Brayton rotating machine to generate electrical power for the electric thrusters and the spacecraft bus. The basic operation of the closed cycle Brayton system was as follows. The working fluid, a helium-xenon gas mixture, first entered a compressor, then went through a recuperator and hot-side heat exchanger, then expanded across a turbine that drove an alternator, then entered the cold-side of the recuperator and heat exchanger and finally returned to the compressor. The spacecraft was to be launched with the Brayton system off-line and the nuclear reactor shut down. Once the system was started, the helium-xenon gas would be circulated into the heat exchangers as the nuclear reactors were activated. Initially, the alternator unit would operate as a motor so as to drive the turbine and compressor to get the cycle started. This report investigated the feasibility of the start up sequence of a permanent magnet (PM) machine, similar in operation to the alternator unit, without any position or speed feedback sensors (sensorless) and with a variable load torque. It is found that the permanent magnet machine can start with sensorless control and a load torque of up to 30 percent of the rated value. This item ships from La Vergne, TN. Paperback.



[Read Feasibility Study of Jupiter Icy Moons Orbiter Permanent Magnet Alternator Start Sequence Online](#)



[Download PDF Feasibility Study of Jupiter Icy Moons Orbiter Permanent Magnet Alternator Start Sequence](#)



[Download ePUB Feasibility Study of Jupiter Icy Moons Orbiter Permanent Magnet Alternator Start Sequence](#)

## Other Books

---



### [PDF] **Animology: Animal Analogies**

Follow the hyperlink listed below to read "Animology: Animal Analogies" PDF file.

[Save eBook »](#)

---



### [PDF] **God Loves You. Chester Blue**

Follow the hyperlink listed below to read "God Loves You. Chester Blue" PDF file.

[Save eBook »](#)

---



### [PDF] **Good Night, Zombie Scary Tales**

Follow the hyperlink listed below to read "Good Night, Zombie Scary Tales" PDF file.

[Save eBook »](#)

---



### [PDF] **The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up**

Follow the hyperlink listed below to read "The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up" PDF file.

[Save eBook »](#)

---



### [PDF] **Molly on the Shore, BFMS 1 Study score**

Follow the hyperlink listed below to read "Molly on the Shore, BFMS 1 Study score" PDF file.

[Save eBook »](#)

---



### [PDF] **Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire**

Follow the hyperlink listed below to read "Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire" PDF file.

[Save eBook »](#)



**[PDF] My Life as a Third Grade Zombie: Plus Free Online Access (Hardback)**

Access the web link listed below to read "My Life as a Third Grade Zombie: Plus Free Online Access (Hardback)" PDF document.

[Read PDF »](#)

---



**[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English] (Paperback)**

Access the web link listed below to read "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English] (Paperback)" PDF document.

[Read PDF »](#)

---



**[PDF] Coronation Mass, K. 317 Vocal Score Latin Edition**

Access the web link listed below to read "Coronation Mass, K. 317 Vocal Score Latin Edition" PDF document.

[Read PDF »](#)

---



**[PDF] Read Write Inc. Phonics: Grey Set 7 Storybook 9 Dear Vampire (Paperback)**

Access the web link listed below to read "Read Write Inc. Phonics: Grey Set 7 Storybook 9 Dear Vampire (Paperback)" PDF document.

[Read PDF »](#)

---



**[PDF] DK Readers Plants Bite Back Level 3 Reading Alone**

Access the web link listed below to read "DK Readers Plants Bite Back Level 3 Reading Alone" PDF document.

[Read PDF »](#)

---



**[PDF] Gypsy Breynton**

Access the web link listed below to read "Gypsy Breynton" PDF document.

[Read PDF »](#)