ENTRY BUTTON

NEO-LEO Deep Space Plasma Shield Technologies

XR-SHIELD

important notice

This mission must be considered as most important for the survival of the human species and the colonization of the solar system and beyond.

For the earth, it is necessary to know if our based ground technology or our on-board satellite technology can influence the orbits of these objects (celestial-asteroids) or even destroy them known these objects coming from the belts Oort-Kuiper, others, or random trajectories of objects that can enter the solar system

Target size 30m to 800m Euler diagram and NEOs.

The chemical composition of asteroids should influence the consequences of a collision with the Earth's atmosphere and then the Earth's lithosphere

The loss of mass by friction in the atmospheric re-entry is directly proportional to the angle of entry of the Asteroid.

The loss of mass by friction constitutes a situation which will reduce the consequences of the thermal and vibrational and mechanical shock on the other elements present, this being able to represent a weak consolation compared to the mechanical and thermal shock is a temperature of 6000 K in the crater which will relax for several dozen hours or even days and spread at a speed of 600 mph in the center.

If we consider the Earth's atmosphere as a material fluid, its mass will be displaced and will cause considerable climatic changes, the shock wave will cause changes in the tectonics of plates, oceans and geological faults (in the event of a shock near these areas).

These catastrophic situations are widely studied and commented on

This situation of deep impact, causing the dispersion of terrestrial dust in the atmosphere (from the troposphere to the thermosphere)

Solar radiation will not be able to penetrate properly and carry out its photosynthesis mission, and the prognosis of life on earth will be engaged.

It is obvious that large objects composed of at least 60% ice will certainly be disintegrated at the time of atmospheric re-entry, by probable fractures of the object, the water trapped in the form of ice will thermally transmit this temperature gradient to the internal layers of the object, even if this event only occurs for 4 minutes.

It is trivial that asteroids of type MSC or more rarely X

https://solarsystem.nasa.gov/asteroids-comets-and-meteors/ astero ids/overview/?page=0&per_page=40&order=name+asc&search=&condition_1=101%3Aparent_id&condition_2=asteroid%3Abody_type%3Ailike

Object detection programs such as asteroids are considered most important in risk prevention and its qualification and grade. (NASA -JPL-Lockheed Martin-Leolabs, others ..)

Risk prevention measures require mandatory intervention on the target (asteroid) or asteroids.

At this level and at this time 2017 there is no embedded or terrestrial technology that can destroy or deflect the center of mass of the asteroid

Only disruptive technologies could be suitable using

antigravity weapons, but also these applications would be used as a means of approaches on solar system objects, for takeoff or the landing on Moon (moons) other planets. (MARCH)

For the gas giant planets of our solar system

it will be necessary to use anti-gravity means associated with automated explorations

gas resources of gas giants such as HELIUM and Hydrogens (HELIOTORR program)

which plans to heat Hydrogen and Helium from gaseous giants, and store it in tanks that can serve as (gaseous) service stations, but it will be useful if necessary to carry out the isotopic separation 3He and 4He ,as well as for H,Deuterium isotope and Tritium

these isotopes are essential for the manufacture of nuclear generators (Fusion)

certain nuclear reactors using FISSION that can be used in space propulsion pose real problems, especially with the use of DEPLETED URANIUM (depleted Uranium) or enriched NPT ref

https://ntrs.nasa.gov/api/citations/20180002611/downloads/20180002611.pdf

these problems are related to the production of radioactive isotopes

ejected by nuclear engines (plasmas) which represent significant pollution in DEEP SPACE, even if

inside the solar system our industries seem to pollute without possible conflict with the inhabitants of other planets.

Pollution in deep space outside the solar system

Close nuclear intervention (fission-fusion) EARTH
-ASTEROIDE would not be considered certain due to the unique ONE SHOT ONLY option

DISRUPTIVE TECHNOLOGIES

On the other hand, nuclear means of defense against asteroids

based on the Moon should be suitable, the kinetic energy to be mobilized on the lunar ground being much lower and plasma and mixed engines (Hydrogen and chemical) assisted by nuclear charges

would be very effective in meeting objects and correctly adjusting orbits and reaching targets with an accuracy of a few meters.

This interesting technology can only see the light of day in a few decades, the time necessary for human and **robotic colonization on the Moon** to be effective, it may be important to house such defensive weapons on the hidden side of the Moon.

Unless there is an error or omission on our part, there is therefore no demonstrated means of being able to destroy an asteroid from the earth, whether with ground-based lasers or lasers embarked on satellites or shuttles.

Moreover, the power of current military lasers does not exceed 10 Megaw - it would be necessary in pulse mode to generate at least 100 MegaW in order to modify the center of mass of the asteroid and therefore its orbit.

This technology could emerge and could be applied on the moon for the defense of our species.

VERY INTERESTING LOW DISRUPTIVE TECHNOLOGY OR TO BE MODIFIED

RAMA PROJECT

NASA plans to transform a dangerous asteroid into a dynamic kinetic complex, associated with previously onboard engines

on one or more spacecraft which should dock or anchor to the asteroid and divert it from its orbit.

The goal is to use the resources of the asteroid's core and eject the molten materials using deep LASER ablation and use these kinetics to maneuver the asteroid.

https://www.inverse.com/article/29303-made-in-space-asteroid-mecha nical-spacecraft-project-rama

Several solutions could be considered, depending on the nature of the asteroid, either exploiting it or destroying it, or diverting it to ellipticals that are not dangerous for the Earth, or using it as a surveillance spacecraft in a specific solar region.

The RAMA project is considerably interesting as part of . but as in the a lunar defense base there are not yet sufficient power lasers to carry out this ablation and fusion of the core of the asteroid and to consider this core as a source of propulsion energy

The lunar base seems very interesting and logical to build a STOWING or ANCHORING SHIP on an asteroid, equipped with powerful laser technologies or even nuclear technologies.

We believe we can offer plasma solutions that do not require ablation of the asteroid's nucleus-(patent writing)

The most important and delicate operation will be the anchoring of the external vessel equipped with plasma engines on the ground of the asteroid (patent writing).

There is also the DART – NASA project.

DART and GEO-Cruisers asteroids

http://www.jhuapl.edu/newscenter/pressreleases/2017/170630.asp

https://glycanspacexr-agency.com/dart-mission-nasa-space-x/

DART is a brutal collisional kinetic project with a probe that should transmit enough kinetic energy to two asteroid objects of several hundred meters (dimensions), the project could be completely satisfied with the condition, it seems to us that it can carrying a nuclear payload the ship should weigh at least 1 ton outside of its onboard nuclear mass.

In these “one shot” operations, the only uncertainty remains the on-board propulsion energy in the absence of any solar radiation and the safety of communications and robotics for firing nuclear charges as close as possible to the asteroids.

There would also exist the possibility of approaching an asteroid and placing nuclear charges capable of developing several million Kilo Newtons sufficient to disturb the center of mass of asteroids, indeed asteroids of 1 km to 3 km (or more) in diameter whatever whatever their composition (SMCX) would cause catastrophic damage that is certainly irreversible on Earth.

But the most effective means would be anti-gravity weapons while avoiding the collateral risks of nuclear weapons.

In fact, nuclear technologies seem to be more developed on earth than space propulsion technologies which would make it possible to reach asteroids with complete certainty and safety.

NEO-LEO-PLASMA SHIELD TECHNOLOGIES

DISRUPTIVE TECHNOLOGY (patent writing)

Glycan Space Agency considers the sun to be the most interesting current source of plasma-like matter, which has an estimated lifetime of billions of years.

The fact of living far from him, but also at his side and benefiting from his influence, made us forget that he would be our best partner for colonization in the planetary system.

The use of solar plasmas and their radiative emissions can provide future colonization missions in the solar system with the means to propel and defend **our** civilization for another 2 billion years, logically included against asteroids or other threats.

It is obvious that our main star the SUN developed , provided you have point of **new materials** in the planets and moons of the solar system, represents well the center of life.

For these many reasons, Agency uses for these future missions the name of **HELIOTORR**

These materials will be obtained from the missions that Agency develops with its present and future partners, mainly patented plasma technologies.

These ultra-pure materials will be endowed with properties of resistance and resilience to heat and radiation, but also some will transform radiative energy into electrical and magnetic energy that can be used directly as propulsion energy for spacecraft.

AI Artificial Intelligence will be an important tool utilized in the HELIOTORR programs.

The spacesuits of the colonists will be made from these materials as well as the robots and the big DATA (coherent QUANTUM MACHINES) storage centers on the planets or their moons.

Some artificial satellites (made by human and probes and therefore engines and spacecrafts) will come from the same plasma industry (High Temperature Chemistry) PERT programs patented

There are at least 12 reserved programs in our R&D program

To the current solar system, but also concerning the EXO PLANETS

and spatio-temporal propulsion methods based on a new quantum mechanics of matrices calling on a new definition of the nature of time as a new state of matter structured by unit MEMONS (programme and future publication of the DISRUPTIVE method.