

Suitable Abating of Global Air Pollution Controlling CO₂ Emissions from Mobile Sources by Magnetic Action

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Abstract - Despite continuous reports and stark warnings, from authorized sources, as WHO, NOAA and COP26, among others, global air pollution continues worsening and global temperature increasing. These facts are a motivation to present in this lecture, new contributions from our theoretical-practical work on gasoline Combustion Optimization by Magnetic Action, (COBMA) in mobile sources, started in 2008, when through a thesis, in Universidad de Cartagena, the Power Pack, a magnetic device with hydraulic pre-treatment, built by Henry Guerrero in USA, was proven highly efficient, as was shown in paper 116 presented to RTESE'17.

The outcomes of the last UN Climate Change summit, COP26 cannot be dismissed when actions to tackle the Air Pollution-Climate Change problem are considered. Therefore, COP26 context is taken as reference for this lecture. So far, global implementation of electric cars, and other important proven actions, have not succeeded. However, future strengthening of mitigation measures, especially speed up switch to electric cars and clean energies make part of the COP26 Pact but reasonable time is needed to deliver all these pledges. Meanwhile, emissions will continue increasing.

We are convinced that if enough proven actions, as the magnetic, are not promptly implemented, we will have very soon a problem of catastrophic dimensions, worse than that of the present pandemic. With the aggravation that once, the sensitive stable balance of the Earth-Atmosphere system become unstable there will not be any action to restore it. Therefore, we continue attempting to attract the attention of organizations leading the Earth's environmental protection, to considering global implementation of COBMA, despite they are devoted to accompanying the international agreements, supported on diplomatic pledges that, so far, have not been delivered due to the political and socio-economic gaps between countries.

From results analyses it will be shown that HC and CO unsuitable emissions reductions by magnetic action, though reduce fuel consumption also contribute to increase CO₂ emissions impact to the atmosphere. Then, from new result analyses a more comprehensive view of the Air Pollution-Climate Change problem nature is attempted. Finally, through different results analyses it is shown that emissions tests are indispensable when designing a Magnetic Efficient Balanced (MEB) minimizer is required to get suitable pollutants reductions.

The purpose of this lecture is to favour global comprehension of Climate Change issue, unavoidable for synergistic work and consequent mitigation of the anthropogenic impact on the Climate system. These ideas based on our experimental work characterize our presentations.