STEERING SPEED SUSPENSION DEVICE (TRIPLE "S" DEVICE), TO PREVENT BURNOUTS –TAFHEET PHENOMENA

SALAMEH AHMAD SAWALHA[1], TALAL M. ABU- MANSOUR[2], NESREEN MOSA AL-SALEM[3] & MOHAMMAD LUAY M. SHABAN[4]

[1]Faculty of Engineering, Northern Border University, Arar, KSA, On Leave from Mechanical Engineering Department, Faculty of Engineering Technology, Al-Balqa Applied University, Jordan

[2]Faculty of Engineering, Northren Bordar University, Arar, KSA

[3]Jordanbits Training Center, Amman, Jordan

[4]SEPCOIII Electric Power Construction Corporation, KSA

ABSTRACT

In many Arab countries, young's tend to drive in uncivilized manner. One of those manners is driving on a very high speed and changing the direction by suddenly turning the steering achieving kind of fun and entertainment. This kind of hobbies in the Arab world is well known as "Tafheet", which almost leads to very disastrous results on the drivers, watchers and people who may be in the region. In the Arab Gulf countries, Tafheet phenomenon causes a social permanent worry, despite all the government rules, instructions and even penalties.

"Tafheet" phenomenon could be avoided kind of limiting the ability of steering system to make severe turn on high speed driving, with reversal proportional between the speed and the ability for sever turn, which is the main objective for this paper. The paper presents designing a device which must control the steering response through speedy driving and even when tires defect exists for most control on vehicle.

KEYWORDS: Burnouts, Tafheet, Restrict Rotation, Non-Civilized Driving