

EVERLAST, LLC

SPEEDBUMP FOR ELECTRICAL POWER PRODUCTION

Inventor: Mr. Norman Gabay

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INTRODUCTION

This document explains the chronological development and present status of an invention that produces industrial alternating electrical current (AC) at 220 Vac, by using a vehicular roadway installed speedbump. The invention was initially conceived by one Mr. Norman Gabay in 1986, as conducting business under the name of EVERLAST, LLC.

DESCRIPTION OF INVENTION

The EVERLAST, LLC, speedbump is a roadway installed system that generates industrial 120 / 240 volt AC electrical power.

The speedbump is designed to be installed into a hole in the roadway of approximately 2.5 feet wide X 8 feet long X 2.5 feet deep, and be covered by a heavy rubber / canvas sheet to keep out rain water, rocks, dust and snow.

Operationally, when a vehicles run over the speedbump the speedbump moves DOWN and actuates an attached vertically and linearly mounted hydraulic fluid single piston pump, to developed pressurized fluid, that is stored in (2) two 10 gallon, 3000 PSI air / oil accumulators, which are then used, when fully charged, to run a 35 Kwatt hydroelectric generator.

Heavy coil springs return the speedbump to the UP position; after the car passes over.

It is envisioned that the speedbump would be installed at bridges and turnpike toll booths, parking structure ticket booths, industrial truck maintenance yards, bus station and any place where large volumes of existing slow moving vehicular traffic exists. The generated electrical power would be used to provide supplemental power to the lights of the parking structure or for emergency backup power for elevators of parking structures.

DEVELOPMENT OF THE INVENTION

In September of 2001 Mr. Norman Gabay contacted an engineer by the name of Carl Colditz and hired Mr. Colditz to develop an initial conceptual configuration of the speedbump invention.

Initial concept drawing and sizing calculations were developed and presented to Mr. Norman Gabay by Mr. Carl Colditz.

In April of 2002, Mr. Gabay asked Mr. Colditz to conduct a Patent Search and this patent search was presented to Mr. Gabay.

In March of 2003 Mr. Gabay contracted Mr. Colditz to build him a prototype of the Invention.

From 2003 to April 2005 Mr. Colditz built the prototype in an industrial building located near Sunnyvale, CA.

In April of 2005 the prototype was move from Sunnyvale, CA to a large storage container in Hawthorne, CA.

PRESENT STATUS OF THE INVENTION

The prototype system has been in storage in Hawthorne, CA since April of 2005.

Upon request, a video and many support documents to explain and show the complete system working, can be provided.

The speedbump system can be made operational with about 8 hours of assembly time.

The following photographs and schematic show the assembled prototype speedbump, vehicle display ramps and the hydraulic power unit, reservoir tank and 4 foot by 8 foot trailer.

PHOTOGRAPHS



SPEEDBUMP ATTACHED TO VEHICULAR DISPLAY RAMPS FOR TESTING PROTOTYPE



**10 HORSE POWER 3000 PSI HYDRAULIC POWER UNIT,
30 GALLON RESERVOR TANK
AIR / OIL ACCUMULATORS
ALL MOUNTED ON 4 FT X 8 FT TRAILER**



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 30 GALLON RESERVOIR TANK
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SCHEMATIC

