



# underground power

Energy from Traffic

Pitching LYBRA

IID Tokyo | May 2016

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# The PRODUCT



modular, flat platform  
installed at ground level in decelerating lanes





# HOW DOES IT WORK?

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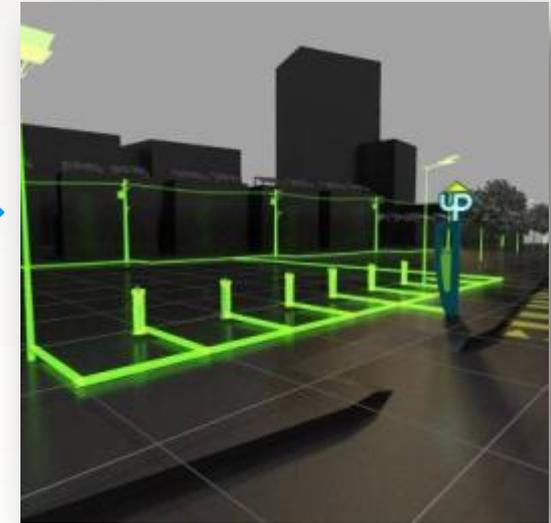
## Speed Absorption



## Conversion



## Final USER



Vehicles are slowed down by  
10 km/h



Road Safety



Innovative technology  
Patented



Energy Recovering

Connected to the final user  
with a standard PV inverter



Sell or Use Energy



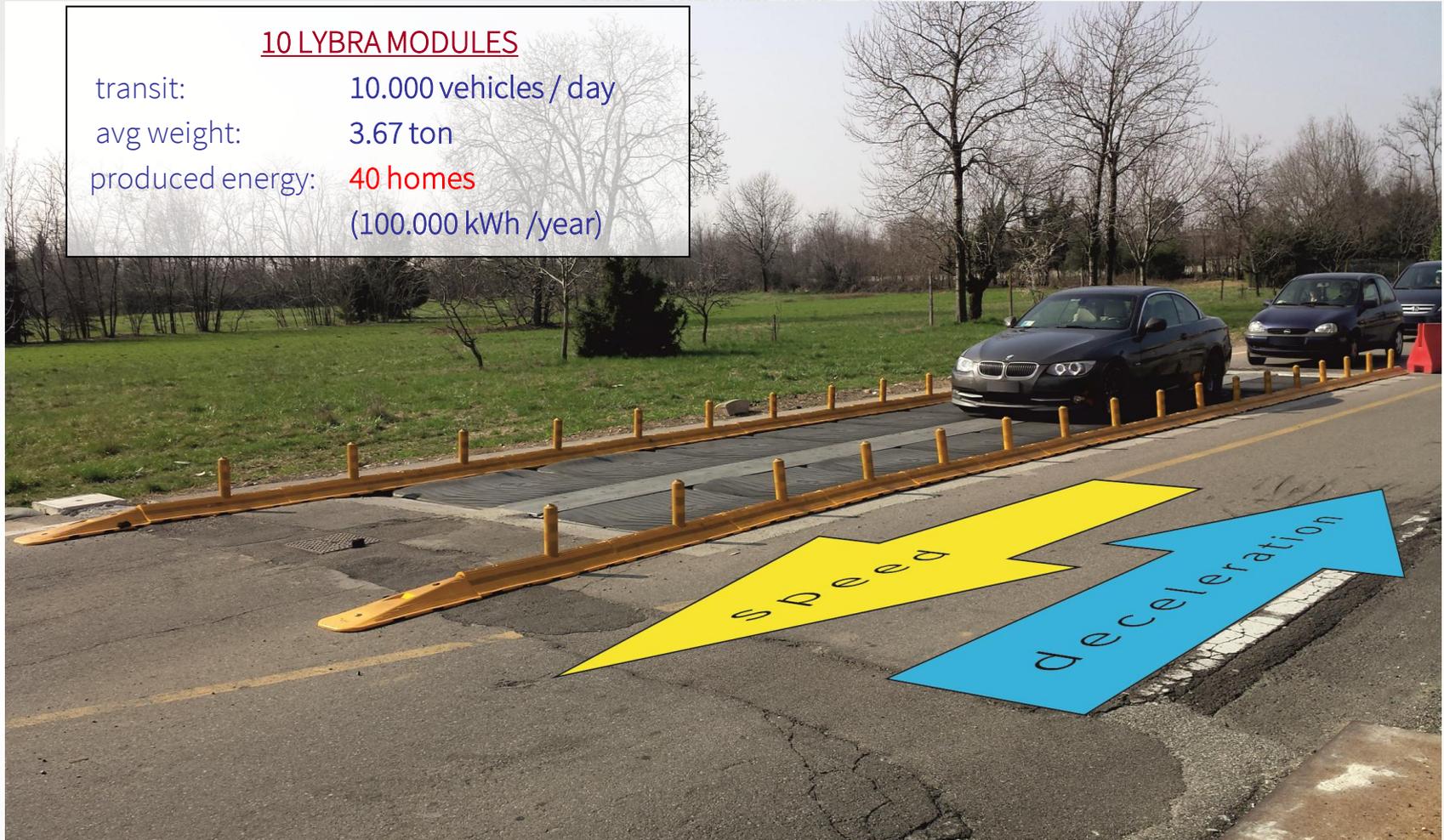
# The POWER PLANT

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## 10 LYBRA MODULES

transit: 10.000 vehicles / day  
avg weight: 3.67 ton  
produced energy: **40 homes**  
(100.000 kWh /year)








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 Machine translation  
 1. (WO2011048478) SYSTEM FOR CONVERTING POTENTIAL OR KINETIC ENERGY OF A BODY WEIGHING UPON OR TRAVELLING OVER A SUPPORT OR TRANSIT PLANE INTO USEFUL ENERGY

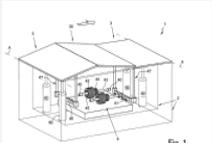
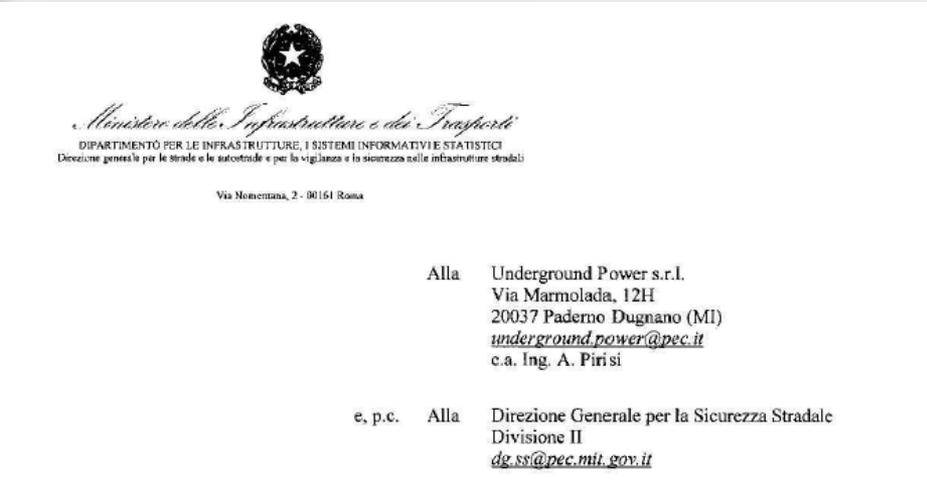
PCT Biblio. Data	Description	Claims	National Phase	Notices	Drawings	Documents
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Latest bibliographic data on file with the International Bureau PermaLink

Pub. No.: WO/2011/048478 International Application No.: PCT/IB2010/002697  
 Publication Date: 28.04.2011 International Filing Date: 20.10.2010  
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 Priority Data: MI2009A001834 22.10.2009 IT  
 Title: (EN) SYSTEM FOR CONVERTING POTENTIAL OR KINETIC ENERGY OF A BODY WEIGHING UPON OR TRAVELLING OVER A SUPPORT OR TRANSIT PLANE INTO USEFUL ENERGY (FR) SYSTÈME POUR CONVERTIR UNE ÉNERGIE POTENTIELLE ET/OU CINÉTIQUE D'UN CORPS PESANT SUR ET/OU SE DÉPLAÇANT SUR UN SUPPORT ET/OU UN PLAN DE TRANSIT EN ÉNERGIE UTILE

Abstract: (EN) System (1) for converting potential or kinetic energy of a body travelling over a support into useful energy that comprises: a fixed framework (2) with which at least one footboard (3) is associated in a mobile manner, through the action of said body, between an initial position and an end position, a magnetic interaction device (4), which in turn comprises at least two elements (42, 43) that are associated with one another in a mobile manner relative to one another and the mobile one of which (43) is associated with at least one magnet (40), means for

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Oggetto: richiesta di autorizzazione alla sperimentazione su strada dell'assorbitore di velocità "LYBRA" con recupero e conversione di energia

In riferimento alla richiesta inviata con nota del 25.03.15, in esito all'incontro tecnico svoltosi il 19.03.15 presso i nostri uffici, durante il quale è stata acquisita la documentazione tecnica relativa al sistema in oggetto e sono stati forniti chiarimenti ed ulteriori elementi illustrativi, sentita la Direzione Generale per la Sicurezza Stradale, si rappresenta quanto segue.

Il sistema LYBRA è attualmente già installato, con dispositivo di conversione di energia





# About

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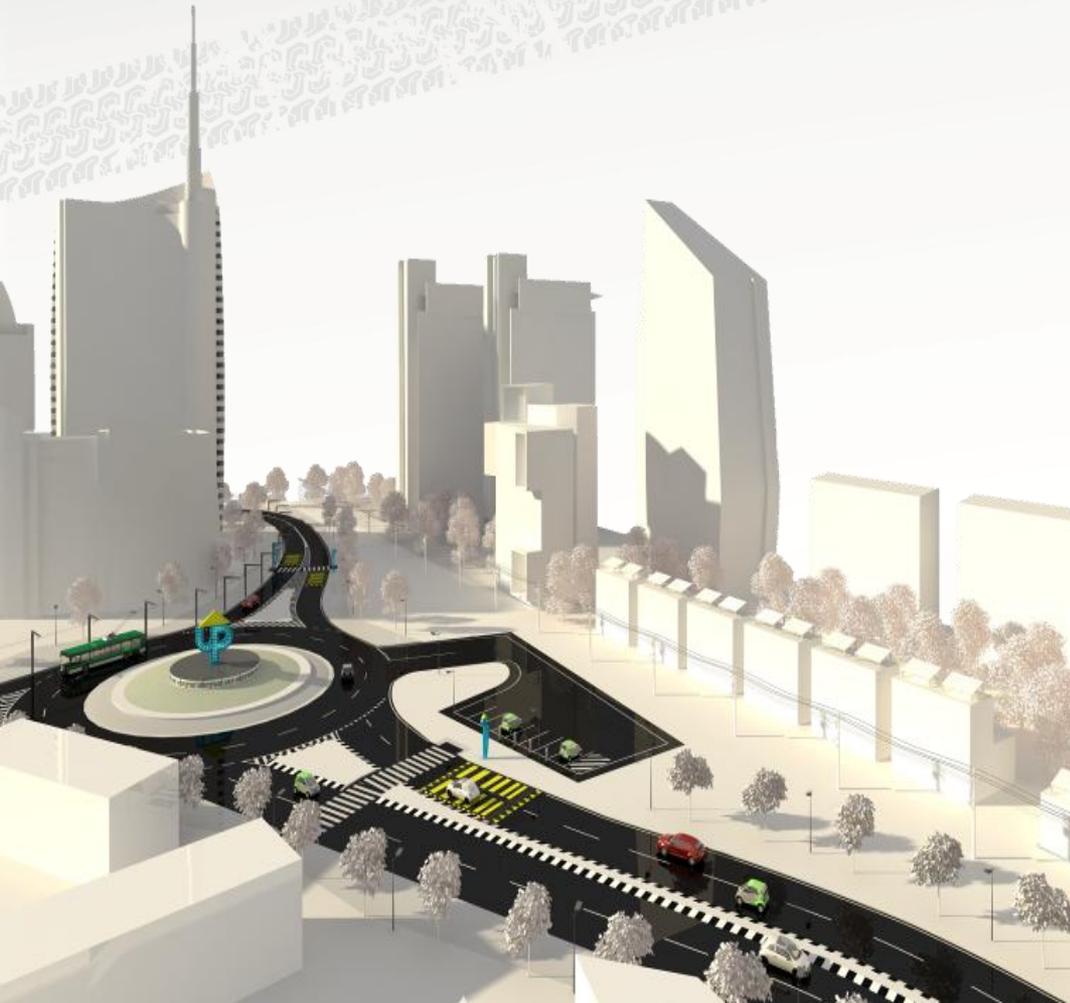
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