



The Senate

HONORING AND COMMENDING RICHARD MARUYA INVENTOR OF THE CLIMATE FRIENDLY REFRIGERANT

Global warming, going green, and reducing carbon footprints are popular mainstream concerns of today. This means great things for our environmental and personal health as more people grasp the importance of conserving energy, driving less, and being more aware of our impact on the Earth. We are also realizing that doing what is best for the planet can also be good for our budgets, when green products also save energy and cost us less.

This is precisely the combination that Kaneohe resident Richard Maruya has developed after years of tireless trials. Over 15 years ago, he began to think of how to mix alternative refrigerants to come up with a recipe that would be more efficient, safer, and create less pollution. He was successful. Mr. Maruya's non-toxic and non-ozone depleting invention, Hydro Carbon Refrigerant 188C (HCR188C), was selected by the Environmental Protection Agency for a prestigious Environmental Achievement Award in 2008. The Research Director for Greenpeace is applauding Mr. Maruya's invention and dedication to getting it approved for use as "stunning".

HCR188C is patented for its ability to replace current refrigerants in air conditioners, refrigerators, and freezers that contribute greenhouse gases to the atmosphere. Mr. Maruya's amazing mixture is proving to have an energy savings of at least 5 percent and requires only a third as much to be added to appliances, making flammability less of a concern. The potential for HCR188C in cars, supermarkets, and large-scale cooling systems could result in a massive reduction of polluting emissions. Humbly, Mr. Maruya attributes his discovery to the support of his wife Theresa and the information and inspiration shared with him by his father, Raymond.

The Senate of the Twenty-Fifth Legislature of the State of Hawai'i hereby honors and commends **Richard Maruya** for his cleverness, determination, and ability to see the importance of lessening our impact on the environment for the sake of the next generation. Your invention has the potential to improve our world in many ways and reflects greatly on the environmental "coolness" of Hawai'i. We are proud to call you one of our own. We wish you success in getting a shot of HCR188C into refrigerators and air conditioners everywhere.

CPM 188C

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Done this 8th day of April 2009
State Capitol, Honolulu, Hawai'i

Jim Tokuda

Mike Gabbard

Jim Tokuda, Sponsoring Senator

Mike Gabbard, Sponsoring Senator

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