

1. Record Nr.	UNINA9910465738403321
Autore	Gould Eliga H
Titolo	Among the powers of the earth [[electronic resource] ] : the American Revolution and the making of a new world empire / / Eliga H. Gould
Pubbl/distr/stampa	Cambridge, Mass., : Harvard University Press, 2012
ISBN	0-674-06502-6 0-674-06826-2
Descrizione fisica	1 online resource : illustrations, maps
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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
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Sommario/riassunto	For most Americans, the Revolution's main achievement is summed up by the phrase "life, liberty, and the pursuit of happiness." Yet far from a straightforward attempt to be free of Old World laws and customs, the American founding was also a bid for inclusion in the community of nations as it existed in 1776. America aspired to diplomatic recognition under international law and the authority to become a colonizing power itself. As Eliga Gould shows in this reappraisal of American history, the Revolution was an international transformation of the first importance. To conform to the public law of Europe's imperial powers, Americans crafted a union nearly as centralized as the one they had overthrown, endured taxes heavier than any they had faced as British colonists, and

remained entangled with European Atlantic empires long after the Revolution ended. No factor weighed more heavily on Americans than the legally plural Atlantic where they hoped to build their empire. Gould follows the region's transfiguration from a fluid periphery with its own rules and norms to a place where people of all descriptions were expected to abide by the laws of Western Europe-"civilized" laws that precluded neither slavery nor the dispossession of Native Americans.

2. Record Nr.	UNINA9910458128703321
Autore	Sørensen Bent <1941->
Titolo	Hydrogen and fuel cells [[electronic resource] ] : emerging technologies and applications / / Bent Sørensen
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Descrizione fisica	1 online resource (465 p.)
Collana	Sustainable world series
Disciplina	665.8/1
Soggetti	Hydrogen as fuel Fuel cells Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 405-440) and index.
Nota di contenuto	Front Cover; Hydrogen and Fuel Cells: Emerging technologies and applications; Copyright Page; Preface; Contents; Units and conversion factors; Chapter 1. Introduction; 1.1 The current relevance of fuel cells and hydrogen; Chapter 2. Hydrogen; 2.1 Production of hydrogen; 2.2 Issues related to scale of production; 2.3 Hydrogen conversion overview; 2.4 Hydrogen storage options; 2.5 Hydrogen transmission; 2.6 Problems and discussion topics; Chapter 3. Fuel cells; 3.1 Basic concepts; 3.2 Molten carbonate cells; 3.3 Solid oxide cells; 3.4 Acid and alkaline cells; 3.5 Proton exchange membrane cells

3.6 Direct methanol and other non-hydrogen cells; 3.7 Biofuel cells; 3.8 Problems and discussion topics; Chapter 4. Systems; 4.1 Passenger cars; 4.2 Bus, lorry; 4.3 Ships, trains and airplanes; 4.4 Power plants including stand-alone systems; 4.5 Building-integrated systems; 4.6 Portable and other small-scale systems; 4.7 Problems and discussion topics; Chapter 5. Implementation scenarios; 5.1 Infrastructure requirements; 5.2 Safety and norm issues; 5.3 Scenario based on fossil energy; 5.4 Scenario based on nuclear energy; 5.5 Scenarios based on renewable energy; 5.6 Problems and discussion topics; Chapter 6. Social implications; 6.1 Cost expectations; 6.2 Life-cycle analysis of environmental and social impacts; 6.3 Uncertainties; 6.4 Problems and discussion topics; Chapter 7. Conclusion: a conditional outcome; 7.1 Opportunities; 7.2 Obstacles; 7.3 The way forward; 7.4 How much time do we have?; 7.5 The end, and a beginning; References; Index

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#### Sommario/riassunto

The next several years will see a massive emergence of hydrogen fuel cells as an alternative energy option in both transportation and domestic use. The long-range expectation is that hydrogen will be used as a fuel, produced either from renewable energy, fossil, or nuclear sources, offering an environmentally acceptable and efficient source of power/energy. Hydrogen and Fuel Cells describes in detail the techniques associated with all the production and conversion steps and the set-up of systems at a level suited for both academic and professional use. The book not only describes the ""

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