

(12) **United States Patent**
Crain

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(54)	MODULAR HYDROPONIC SYSTEM	6,840,008 B1 *	1/2005	Bullock	A01G 9/023 47/82
(71)	Applicant: Dominic Crain , Casselberry, FL (US)	7,243,460 B2	7/2007	Darlington	
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(72)	Inventor: Dominic Crain , Casselberry, FL (US)	8,756,860 B1	6/2014	Murphy	
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(*)	Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 241 days.	9,468,154 B2 *	10/2016	Carpenter	A01G 9/023
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(22)	Filed: Oct. 13, 2017	2014/0000162 A1 *	1/2014	Blank	A01G 31/06 47/62 A
(65)	Prior Publication Data	2014/0208647 A1 *	7/2014	Carpenter	A01G 9/023 47/66.7
	US 2019/0110416 A1 Apr. 18, 2019	2015/0223418 A1 *	8/2015	Collins	A01G 31/02 47/62 R
(51)	Int. Cl. <i>A01G 31/06</i> (2006.01) <i>A01G 31/00</i> (2018.01)	* cited by examiner			
(52)	U.S. Cl. CPC <i>A01G 31/06</i> (2013.01); <i>A01G 2031/006</i> (2013.01)	<i>Primary Examiner</i> — Trinh T Nguyen (74) <i>Attorney, Agent, or Firm</i> — William M. Hobby, III			
(58)	Field of Classification Search CPC .. A01G 2031/006; A01G 31/02; A01G 31/06; A01G 9/022; A01G 9/023; A01G 9/024; A01G 27/001; A01G 27/003; A01G 27/005; A01G 9/02; A01G 9/14; A01G 9/24; A01G 9/247; A01G 31/045; Y02P 60/216 See application file for complete search history.	(57) ABSTRACT A hydroponic growing system uses a plurality of vertically supported pots suspended one above the other, each pot being removably held on a supporting ring attached to a plurality of vertically extending chains, or the like, supported from above. The hydroponic growing system includes a water delivery system which feeds the water to the top-most pot which drains to each next pot and to a bottom reservoir where it may be pumped back into the water delivery system.			
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