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Willis et al.(10) **Pub. No.: US 2017/0356691 A1**(43) **Pub. Date: Dec. 14, 2017**(54) **SWIMMING POOL HEAT EXCHANGERS
AND ASSOCIATED SYSTEMS AND
METHODS****Publication Classification**(51) **Int. Cl.****F28D 1/053** (2006.01)**E04H 4/12** (2006.01)**F28F 1/20** (2006.01)**F24H 1/00** (2006.01)(52) **U.S. Cl.****CPC** **F28D 1/053** (2013.01); **F24H 1/0072**(2013.01); **E04H 4/129** (2013.01); **F28F 1/20**
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(57)

ABSTRACT

Exemplary embodiments are directed to swimming pool heat exchangers including a housing and one or more tube assemblies disposed within the housing. Each of the tube assemblies includes an elongated titanium tube and at least one fin welded to an outer surface of the elongated titanium tube. The elongated titanium tube and the at least one welded fin allow for corrosion resistance to swimming pool water while simultaneously allowing for improved heat transfer from the heat exchanger to the swimming pool water.

