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(54) Title: FLOW ENHANCEMENT DEVICES FOR ETHYLENE CRACKING COILS

(57) Abstract: A method of manufacturing a heat exchange device having at least one heat exchange tube is disclosed. The method includes: determining a peak heat flux area of the at least one heat exchange tube; and disposing in the at least one heat exchange tube an flow enhancement device for creating a desirable flow pattern in a process fluid flowing through the at least one heat exchange tube; wherein the flow enhancement device is disposed in the at least one heat exchange tube upstream of or at the determined peak heat flux area of the at least one heat exchange tube.



WO 2011/097610 A2