

Title (en)  
TURBULATOR RADIATOR TUBE FOR A RADIATOR CONSTRUCTION

Publication  
**EP 0109393 B1 19870812 (EN)**

Application  
**EP 82902115 A 19820519**

Priority  
US 8200692 W 19820519

Abstract (en)  
[origin: WO8304090A1] An improvement to the construction of an elongated turbulator radiator tube (114) and a radiator construction produced thereby. In general, the turbulator radiator tube has a first principal heat transfer surface (120) and a second principal heat transfer surface (122), both of which have a first edge (124) and a second edge (126). Interconnecting surfaces (128) and (130) are provided for independently interconnecting both the first edges and the second edges of the first principal heat transfer surface and the second principal heat transfer surface. The improved construction is characterized in the following manner. Each of the principal heat transfer surfaces having a plurality of flow diverting members (152) placed along the length thereof. Each of the flow diverting members is deformed from the principal heat transfer surfaces toward the interior of the tube. The flow diverting members as a group extend from about the first edge of the principal heat transfer surface to about the second edge of the principal heat transfer surfaces. These flow diverting members are so arranged that the first principal heat transfer surface and the second principal heat transfer surface are bowed outwardly from the interior of the tube when interconnected by the interconnecting surfaces.

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**F28D 1/02**

IPC 8 full level  
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