

Title (en)

Radiator, in particular for heating systems, with a high resistance to internal pressure

Title (de)

Heizkörper, insbesondere für Heizungsanlage, mit hoher Innendruckfestigkeit

Title (fr)

Radiateur, en particulier pour système de chauffage, à résistance élevée à la pression interne

Publication

EP 0932008 B1 20030806 (EN)

Application

EP 99100364 A 19990115

Priority

IT TO980038 A 19980116

Abstract (en)

[origin: EP0932008A2] A radiator (1) having at least one module (2) including: a tubular portion (3) with a flat cross section (4); opposite top and bottom ends (7,8) having respective lateral hydraulic fittings (10) substantially aligned along a minor axis of the cross section; and a finned portion (5) formed integrally in one piece with a lateral wall (13) of the tubular portion (3); the finned portion including first fins (11) originating directly from the tubular portion, and second fins (12) originating transversely from respective front ribs (13) in turn originating from the tubular portion (3) and perpendicular to the first fins (11); the ribs being substantially aligned with a major axis of the cross section; the cross section (4) having a dimension (D), measured along the major axis, smaller than or equal to 45% of the depth (P) of the module (2), also measured along the major axis, and a wall thickness (S) ranging between 2.4 and 4.5mm; and a root portion (20) of each rib (13) having no fins, and having a number of respective ridges (22) connecting the root portion (20) to the lateral wall (6) of the tubular portion (3) and to a second fin immediately adjacent to the tubular portion. <IMAGE>

IPC 1-7

F28D 1/053; **F28F 1/16**

IPC 8 full level

F28D 1/02 (2006.01); **F28D 1/053** (2006.01); **F28F 1/16** (2006.01)

CPC (source: EP)

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