

Title (en)  
Turbogenerator assembly for a water heater

Title (de)  
Turbogenerator für einen Wasserheizer

Title (fr)  
Turbogénérateur pour chauffe-eau

Publication  
**EP 1384959 A3 20041006 (EN)**

Application  
**EP 03380163 A 20030708**

Priority  
ES 200201895 U 20020725

Abstract (en)  
[origin: EP1384959A2] The dynamo-electrical turbo generator assembly is incorporated in a domestic water heater provided with a water flow (19), the turbo generator assembly (1,2) includes a longitudinal portion of conduit pipe (7) fitted with a discharge valve (8), and having an internal flat wall (7c) dividing the water flow (19) and forming a branch conduit (18) for impelling the turbine wheel (5). The drive shaft (4) common with the magnet rotor (3) of the alternator (2) is positioned offset to a central plane (E) for the formation of a tangential outlet (20) for the water flow (18') towards the wheel vanes (5). A moulded plastic alternator body (6) provided with a chamber (14) housing the rotor, is mounted on said portion of conduit pipe (7) and crossed by the common drive shaft (4). A coupling means (6b,7b) of the alternator body (6) is provided to the portion of conduit pipe (7).  
<IMAGE>

IPC 1-7  
**H02K 7/18**; **F03B 13/00**

IPC 8 full level  
**F24D 18/00** (2022.01); **F24H 1/00** (2006.01)

CPC (source: EP US)  
**F24D 18/00** (2022.01 - EP US); **F24H 1/00** (2013.01 - EP); **F24D 2101/10** (2022.01 - EP US)

Citation (search report)

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