

Title (en)  
WATER HEATER CONSTRUCTION AND METHOD OF HEATING WATER

Publication  
**EP 0126801 A3 19850619 (EN)**

Application  
**EP 83108783 A 19830906**

Priority  
US 49801983 A 19830525

Abstract (en)  
[origin: EP0126801A2] A water heater including a tank having a hot water outlet in the top portion thereof and a cold water inlet in the lower portion thereof. An agitator assembly connected to the cold water inlet and mounted in the bottom portion of the tank. The agitator assembly includes a circular tubular member having a first row of orifice members mounted along the inner side thereof, a second row of orifice members mounted along the outer side thereof and a third row of orifice members mounted along the top side thereof. The orifice members are all directed in the same direction with respect to the axis of the circular tubular member to produce a swirling action in the bottom portion of the tank each time hot water is drawn out of the hot water outlet, such swirling action being effective to cause solid materials which have either settled to the bottom or are in the process of settling to the bottom to be maintained in suspension in the water so that ultimately at least a portion of such materials will be carried upwardly in the tank and out the hot water outlet.

IPC 1-7  
**F24H 1/20**; **F24H 9/12**

IPC 8 full level  
**F24H 1/20** (2006.01); **F24H 9/12** (2006.01)

CPC (source: EP)  
**F24H 1/205** (2013.01); **F24H 9/133** (2022.01)

Citation (search report)  
• US 4263879 A 19810428 - LINDAHL JOHN R  
• US 4157077 A 19790605 - LINDAHL JOHN R [US]  
• US 4257355 A 19810324 - COOK ROBERT E

Cited by  
EP0831273A1; EP0881438A3; EP0306978A3; EP0470207A4; WO9216807A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0126801 A2 19841205**; **EP 0126801 A3 19850619**; **EP 0126801 B1 19890111**; CA 1215276 A 19861216; DE 3378927 D1 19890216

DOCDB simple family (application)  
**EP 83108783 A 19830906**; CA 433924 A 19830804; DE 3378927 T 19830906