

Title (en)  
STEAM GENERATOR AND METHOD OF SECURING TUBES WITHIN A STEAM GENERATOR AGAINST VIBRATION

Title (de)  
DAMPFERZEUGER UND VERFAHREN ZUM BEFESTIGEN VON ROHREN IN EINEM DAMPFERZEUGER GEGEN SCHWINGUNGEN

Title (fr)  
GÉNÉRATEUR DE VAPEUR ET PROCÉDÉ DE PROTECTION DE TUBES CONTRE DES VIBRATIONS À L'INTÉRIEUR D'UN GÉNÉRATEUR DE VAPEUR

Publication  
**EP 3050063 B1 20200715 (EN)**

Application  
**EP 14849704 A 20140604**

Priority  
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• US 2014040804 W 20140604

Abstract (en)  
[origin: US2015083365A1] A steam generator includes a tube bundle having a plurality of tubes, arranged in rows and columns. The first column of tubes includes a first tube having a curved center line disposed in a first plane. The second column of tubes includes a second tube having a curved center line disposed in a second plane, the second plane being parallel to and spaced a distance from the first plane. The steam generator further includes a first number of solid anti-vibration bars disposed between the first column of tubes and the second column of tubes; wherein each of the tubes has a tube outer diameter; and wherein each of the first number of anti-vibration bars has a thickness generally transverse to the first and second planes, the thickness being greater than the distance between the first and second planes minus the tube outer diameter.

IPC 8 full level  
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