

Title (en)  
CENTRIFUGAL TURBOMACHINE WITH TWO STAGES ARRANGED BACK-TO-BACK AND WITH AN ANNULAR TRANSFER DUCT BETWEEN THE STAGES

Title (de)  
ZENTRIFUGALTURBOMASCHINE MIT ZWEI UNMITTELBAR NACHEINANDER ANGEORDNETEN STUFEN UND MIT EINEM RINGFÖRMIGEN TRANSFERKANAL ZWISCHEN DEN STUFEN

Title (fr)  
TURBOMACHINE CENTRIFUGE À DEUX ÉTAGES DISPOSÉS DOS-À-DOS ET AVEC UN CONDUIT DE TRANSFERT ANNULAIRE ENTRE LES ÉTAGES

Publication  
**EP 3207259 A1 20170823 (EN)**

Application  
**EP 15787912 A 20151016**

Priority  
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• EP 2015073978 W 20151016

Abstract (en)  
[origin: WO2016059199A1] The turbomachine assembly (200) comprises a first turbomachine (210) having an inlet (21 1), an outlet (212) and a rotary shaft (213), a second turbomachine (220) having an inlet (221), an outlet (222) and a rotary shaft (223), a transfer duct (240) fluidly connecting the outlet (212) of the first turbomachine (210) to the inlet (221) of the second turbomachine (220), and a casing (230) housing the turbomachines (210, 220) and the transfer duct (240); the turbomachines (201, 220) are located adjacent to each other so that the outlet (222) of the second turbomachine (220) is close to the outlet (212) of the first turbomachine (210) and the inlet (221) of the second turbomachine (220) is remote from the outlet (212) of the first turbomachine (210); the outlet (222) of the second turbomachine (220) has an end portion (225) shaped like a cochlea (i.e. a spiral duct); the transfer duct (240) has an annular shape, and surrounds the end portion (225) of the outlet (222) of the second turbomachine (220).

IPC 8 full level  
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