

Title (en)  
Cooling and exhaust system for a cooking oven

Title (de)  
Kühl- und Abzugsanlage für einen Backofen

Title (fr)  
Système de refroidissement et d'échappement destiné à un four de cuisson

Publication  
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Application  
**EP 13183703 A 20130910**

Priority  
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Abstract (en)  
The present invention relates to a cooling and exhaust system (10), in particular for a cooking oven, comprising a fan shroud (12) and a discharging channel (14). An impeller (16) is arranged inside the fan shroud (12), so that the fan shroud (12) and the impeller (16) form a cross-flow fan. The discharging channel (14) is attached at the fan shroud (12) and arranged at the circumferential side of the impeller (16). The discharging channel (14) includes an open end arranged opposite to the fan shroud (12). The discharging channel (14) extends along a horizontal direction. A first inlet (20) is arranged in an upper portion of the fan shroud (12), while a second inlet (22) is arranged in a lower portion of the fan shroud (12). The first inlet (20) and the second inlet (22) are arranged at or close to opposite circumferential sides of the impeller (16). An outlet (24) is arranged at the open end of the discharging channel (14). Further, the present invention relates to a cooking oven with a cooling and exhaust system (10).

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