

Title (en)
HOOD SYSTEM HAVING BUILT-IN ROTOR

Title (de)
HAUBENSYSTEM MIT EINGEBAUTEM ROTOR

Title (fr)
SYSTÈME DE HOTTE PRÉSENTANT UN ROTOR INTÉGRÉ

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Abstract (en)
[origin: EP2835591A1] The present invention relates to a hood system having a built-in rotor, capable of discharging contaminated gas generated by a source of contamination in a timely manner so as to prevent the contamination of indoor air in advance. The hood system having a built-in rotor comprises a housing, an exhaust fan, said rotor, and a discharge unit. The housing is arranged on top of the contamination source, and the lower side thereof has an inlet port for feeding in contaminated gas. The exhaust fan is arranged inside the housing, and rotates by means of a rotation-driving device so as to forcibly exhaust the contaminated gas. The rotor rotates together with the exhaust fan to prevent the contaminated gas from diffusing into an indoor area. The discharge unit is arranged on an upper surface of the housing so as to discharge the contaminated gas suctioned by the exhaust fan to the outside.

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Citation (search report)
• [X] WO 2011021760 A1 20110224 - DAE DONG [KR], et al
• [A] US 2011305564 A1 20111215 - NOH CHAN-YOUNG [KR], et al
• [X] JP 2008232528 A 20081002 - MATSUSHITA ELECTRIC IND CO LTD
• [X] EP 1967796 A1 20080910 - ITHO B V [NL]
• [X] GB 2210448 A 19890607 - ONG TIONG EE
• [X] DE 19626896 A1 19980108 - MAYER GMBH GEB [DE]
• See references of WO 2013151336A1

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