

Title (en)  
SEPARATOR HAVING DIRECT DRIVE

Title (de)  
SEPARATOR MIT DIREKTANTRIEB

Title (fr)  
SÉPARATEUR AYANT UN ENTRAÎNEMENT DIRECT

Publication  
**EP 4140019 A1 20230301 (DE)**

Application  
**EP 21721075 A 20210423**

Priority  
• DE 102020111217 A 20200424  
• EP 2021060665 W 20210423

Abstract (en)  
[origin: WO2021214294A1] A separator (1) having the following: a unit which rotates during operation and which has a drum (2) and a drive spindle (3), a drive motor (10) designed as an electric motor for rotating the drive spindle and having a stator (20) and a rotor (21), wherein the rotor (21) is arranged on the drive spindle (3) and the stator (20) is radially spaced apart from the rotor (21) in a drive housing (11) that does not rotate during operation, wherein the stator has at least one or multiple winding heads (20a, 20b), is characterized in that at least one chamber (K1, K2) is formed on at least one of the winding heads (20a, 20b), and in this chamber a coolant film or coolant bath forms during operation so that this winding head (20a, 20b) is cooled by means of coolant during operation.

IPC 8 full level  
**H02K 1/32** (2006.01); **B04B 9/04** (2006.01); **H02K 5/173** (2006.01); **H02K 5/20** (2006.01); **H02K 9/19** (2006.01); **H02K 9/22** (2006.01)

CPC (source: EP KR US)  
**B04B 9/04** (2013.01 - EP KR US); **B04B 9/12** (2013.01 - EP KR US); **F16C 33/6659** (2013.01 - KR US); **H02K 1/32** (2013.01 - EP US); **H02K 5/1732** (2013.01 - EP KR US); **H02K 5/18** (2013.01 - KR US); **H02K 5/20** (2013.01 - EP); **H02K 5/203** (2021.01 - KR US); **H02K 9/19** (2013.01 - EP KR US); **H02K 9/22** (2013.01 - KR); **H02K 9/227** (2021.01 - EP US)

Citation (search report)  
See references of WO 2021214294A1

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BA ME

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KH MA MD TN

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