

Title (en)  
VENTING OF A COMBINE HARVESTER

Title (de)  
BELÜFTUNG EINES VOLLERNTERS

Title (fr)  
VENTILATION D'UNE MOISSONNEUSE-BATTEUSE COMBINÉE

Publication  
**EP 1755371 A4 20080123 (EN)**

Application  
**EP 05735613 A 20050419**

Priority  
• CA 2005000596 W 20050419  
• CA 2465143 A 20040423

Abstract (en)  
[origin: WO2005102026A1] A combine harvester with a straw separating system and a sieve assembly below the straw separation system with a rear edge over which the chaff is discharged in the air flow has a housing with a rear hood behind the straw separating system and behind the rear edge of the sieve assembly with a bottom opening in the hood for discharge of the straw and the lighter materials. A straw chopper is mounted at the rear hood for receiving the straw and lighter materials and has a rotor for chopping the straw and for generating a stream of air and chopped straw for spreading the chopped straw. At least one vent opening with upwardly and outwardly inclined louvers is provided at the rear hood, either in the hood itself or in the side walls of the chopper housing, arranged to cause air from the sieve assembly to move rearwardly from the rear edge into the rear hood and to discharge from the rear hood through the at least one opening or allow air to be drawn in to satisfy the chopper requirements if the sieve airflow is lower. A fan can be provided to draw air from the opening and to supplement the air stream from the chopper

IPC 8 full level  
**A01F 12/40** (2006.01); **A01D 41/00** (2006.01); **A01D 41/12** (2006.01); **A01F 7/02** (2006.01); **A01F 12/00** (2006.01)

CPC (source: EP)  
**A01D 41/12** (2013.01); **A01F 12/40** (2013.01)

Citation (search report)  
• [X] WO 9708937 A1 19970313 - REKORDVERKEN AB [SE], et al  
• [A] FR 2411550 A1 19790713 - GRONBERGS GJUTERI & KVARNFAB [SE]  
• [AD] US 4412549 A 19831101 - ROWLAND-HILL E WILLIAM [US]  
• See references of WO 2005102026A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005102026 A1 20051103**; AU 2005235449 A1 20051103; BR PI0510125 A 20070626; CA 2465143 A1 20051023; CA 2465143 C 20090428; EA 009633 B1 20080228; EA 200601923 A1 20070427; EP 1755371 A1 20070228; EP 1755371 A4 20080123; UA 84912 C2 20081210

DOCDB simple family (application)  
**CA 2005000596 W 20050419**; AU 2005235449 A 20050419; BR PI0510125 A 20050419; CA 2465143 A 20040423; EA 200601923 A 20050419; EP 05735613 A 20050419; UA A200611104 A 20050419