

Title (en)  
CYCLONE

Publication  
**EP 0178316 B1 19900221 (DE)**

Application  
**EP 85902020 A 19850415**

Priority  
DE 3414344 A 19840416

Abstract (en)  
[origin: WO8504823A1] A cyclone for grain fragments, envelopes, dust and other air impurities has a preseparation chamber (2) with a tangential raw gas inlet (1), wherein are concentrically arranged a cylindrical deflection grate (4) and a pure gas outlet (5) connected thereto. In order to increase the separation degree of dust with a low pressure loss and with a low cost construction and in order to enable a utilization in air circulation system in combination with other grain cleaning and treatment machines, a preseparation chamber (X) is radially provided outside the deviating grate (4) for air circulation purposes, as well as a vent (Y) radially inside the deviating grate (4), which is in flowing relationship with the preseparation chamber (X) by means of air passage channels (17) in the deviating grate (4).

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**B04C 1/00; B07B 9/02**

IPC 8 full level  
**B07B 7/08** (2006.01); **B01D 45/16** (2006.01); **B04C 1/00** (2006.01); **B07B 7/086** (2006.01); **B07B 9/02** (2006.01); **B07B 11/04** (2006.01)

CPC (source: EP US)  
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Cited by  
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