

Title (en)  
Electric dust collector and blower using the same

Title (de)  
Elektroabscheider und Gebläse mit derselben

Title (fr)  
Collecteur de poussière et soufflerie l'utilisant

Publication  
**EP 1291086 B1 20100915 (EN)**

Application  
**EP 02015541 A 20020711**

Priority  
JP 2001263260 A 20010831

Abstract (en)  
[origin: EP1291086A2] An electric dust collector of a high dust collection rate is disclosed. A charging section of the electric dust collector includes a first grounding electrode brought into contact with a dust filter, and second grounding electrodes surrounding needle-like discharge electrodes and electrically connected to the first grounding electrode. This structure generates corona discharge between the discharge electrodes and the first grounding electrode as well as between the discharge electrodes and the second grounding electrodes. Thus a discharging area is expanded, and charged dust particles can be collected with a high degree of efficiency. <IMAGE>

IPC 8 full level  
**B03C 3/66** (2006.01); **B03C 3/08** (2006.01); **B03C 3/09** (2006.01); **B03C 3/155** (2006.01); **B03C 3/40** (2006.01); **B03C 3/41** (2006.01); **B03C 3/45** (2006.01); **B03C 3/64** (2006.01); **F24F 1/00** (2011.01); **F24F 7/00** (2006.01)

CPC (source: EP KR)  
**B03C 3/08** (2013.01 - EP); **B03C 3/09** (2013.01 - EP); **B03C 3/155** (2013.01 - EP); **B03C 3/40** (2013.01 - KR); **B03C 3/45** (2013.01 - EP); **B03C 3/64** (2013.01 - EP); **B03C 3/66** (2013.01 - EP)

Cited by  
KR100869628B1; EP1629894A1; EP2052782A4; CN109772587A; EP1629895A1; EP2039432A4; SE1950823A1; SE544046C2; US8192535B2; WO2013181290A1

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