

Title (en)
Hybrid dust particulate collector system

Title (de)
Hybrides Staubpartikelsammelsystem

Title (fr)
Système de collecte de particules de poussière hybrides

Publication
EP 2316576 B1 20130529 (EN)

Application
EP 09174340 A 20091028

Priority
EP 09174340 A 20091028

Abstract (en)
[origin: EP2316576A1] A method for removing dust particles from a raw gas stream (18), which comprises raw gas dust particles, in a hybrid dust particulate collector system (10) comprising an electrostatic precipitator (12), and a barrier filter (14) located downstream, with respect to a gas flow direction through the system (10), of said electrostatic precipitator (12), comprises cleaning at least a major portion of the raw gas stream (18) in the electrostatic precipitator (12), so as to obtain an ESP cleaned gas stream portion (22), and transferring a bypass fraction of said raw gas dust particles to a bypass fraction return region (70) located in or downstream of an outlet (20) of said electrostatic precipitator (12), and upstream of said barrier filter (14), said bypass fraction having a coarser dust particle composition compared to the composition of dust particles remaining in the ESP cleaned gas stream portion (22).

IPC 8 full level
B03C 3/155 (2006.01); **B03C 3/017** (2006.01); **B03C 3/019** (2006.01)

CPC (source: EP)
B03C 3/017 (2013.01); **B03C 3/019** (2013.01); **B03C 3/155** (2013.01)

Cited by
CN105536422A; CN104174492A; CN110478993A; CN104190537A; CN112236093A; CN104307638A; CN114602654A

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