

Title (en)  
Tunnel dust collecting system.

Title (de)  
System zum Auffangen von Staub im Tunnel.

Title (fr)  
Système de collecteur pour la poussière dans des tunnels.

Publication  
**EP 0675263 A1 19951004 (EN)**

Application  
**EP 95107725 A 19900725**

Priority  

- EP 90114281 A 19900725
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- JP 21775189 A 19890824
- JP 21775389 A 19890824
- JP 21776089 A 19890824

Abstract (en)  
[origin: EP0410428A2] Typically, in a tunnel dust collecting system comprising: a dust collecting chamber (2) formed in the upper space of a tunnel (1) with a ceiling board; electric dust collectors (3) arranged in the dust collecting chamber in such a manner that the dust collectors are shifted both longitudinally and laterally of the dust collecting chamber; and air blowers (4) provided in said dust collecting chamber at the air supplying end, the dust collectors except the first one closest to the air sucking end of the dust collecting chamber are set obliquely with respect to the longitudinal direction of the dust collecting chamber as if partially overlapped with one another when viewed from the air sucking end, whereby the contaminated air led in the dust collecting chamber is distributed uniformly to the dust collectors.

IPC 1-7  
**E21F 1/00**; **E21F 5/20**

IPC 8 full level  
**E21F 1/00** (2006.01); **E21F 5/20** (2006.01)

CPC (source: EP)  
**E21F 1/003** (2013.01); **E21F 5/20** (2013.01)

Citation (search report)  

- [Y] FR 2253877 A1 19750704 - SOFRAIR [FR]
- [A] DE 2509279 A1 19760916 - VOITH GETRIEBE KG
- [Y] PATENT ABSTRACTS OF JAPAN vol. 13, no. 169 (C - 587)<3517> 21 April 1989 (1989-04-21)

Cited by  
CN104475252A; CN106761890A; CN110159336A; DE10136097A1; DE10136097C2; US6224796B1

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**EP 90114281 A 19900725**; DE 69028818 T 19900725; DE 69029277 T 19900725; DE 69031600 T 19900725; DE 69033378 T 19900725; EP 93112603 A 19900725; EP 94106613 A 19900725; EP 95107725 A 19900725