

Title (en)
Ejector for granular material

Title (de)
Austragsdüse für körniges Material

Title (fr)
Éjecteur de matériau granuleux

Publication
EP 1647419 A1 20060419 (FR)

Application
EP 05292124 A 20051012

Priority
FR 0410921 A 20041015

Abstract (en)
The ejector has a cap (34) that closes a tube (32) above an opening (29) of a tube (28). The tubes and the cap form a baffle zone (38) changing the direction of sand flow. An elastic check valve (42) closes a bore (22) and elastically deforms under the effect of air flow (F) caused due to gravity, for leading the sand towards the opening. The valve is fixed to a base (14) at the level of a tapered wall (22c) of the bore. An independent claim is also included for a sanding nozzle for locomotive comprising a sand ejector.

IPC 8 full level
B60B 39/08 (2006.01)

CPC (source: EP)
B61C 15/102 (2013.01)

Citation (applicant)
• FR 2713182 A1 19950609 - BELLES ONDES FORGES [FR]
• US 4325573 A 19820420 - HEFTER ERIK, et al

Citation (search report)
• [A] US 4486039 A 19841204 - JAYNE MURRAY L [US]
• [A] GB 191328725 A 19140430 - COLEMAN JAMES MCCUTCHEON [CA]
• [A] EP 0855322 A2 19980729 - BOCHUM GELSENKIRCHENER STRASSE [DE]
• [A] DE 3713430 A1 19871029 - FINI ELETTROCOSTRUZIONI MECCAN [IT]

Cited by
CN102923134A; CN102358296A; WO2015189070A1

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