

Title (en)  
REVERSING COUNTERFLOW SEPARATOR

Title (de)  
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Application  
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[origin: US5788083A] PCT No. PCT/DE95/00575 Sec. 371 Date Oct. 22, 1996 Sec. 102(e) Date Oct. 22, 1996 PCT Filed Apr. 26, 1995 PCT Pub. No. WO95/31294 PCT Pub. Date Nov. 23, 1995The invention proposes an elbow/countercurrent classifier by means of which a pneumatically introduced bulk-material stream can be separated into coarse fractions and fine materials. In order to increase the efficiency of the classifier as regards the separating action, a wall profile which results in increased turbulence of the gas streams is selected, in particular, in the region of the acceleration section and of the classifying section which adjoins the latter at the bottom. This produces a rise in the air velocity in the vicinity of the wall and thus an air velocity which is constant over the cross section.

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