

Title (en)  
RISING PIPE SEPARATOR

Title (de)  
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Title (fr)  
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Publication  
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Abstract (en)  
[origin: WO2020152035A1] The invention relates to a rising pipe separator (1), having a rising pipe (5) for pneumatically transporting granular material (15) suspended in conveying air (10), wherein the rising pipe (5) has a vertical conveying direction component, a swirler (20) which is arranged in the rising pipe (5) and which imparts a swirl to the conveying air (10), and an immersion pipe (25) which is arranged above the swirler (20) and which extends the air path for the conveying air (10), wherein an annular gap (30) is provided between the rising pipe (5) and the immersion pipe (25), and coarse-grained material (35) is separated from the conveying air (10) flowing into the immersion pipe (25) by means of the annular gap, said coarse-grained material being centrifuged outwards in a radial direction with respect to the conveying direction of the conveying air (10) by means of the swirl of the conveying air (10). The invention also relates to a circular grinding system which has such a separator (1).

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