

Title (en)

DEVICE AND METHOD FOR CONVEYANCE OF POWDER MATERIALS IN HYPERDENSE PHASE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM FÖRDERN VON PULVERFÖRMIGEN MATERIALIEN IN HYPERDENSER PHASE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR TRANSPORT DE MATÉRIAUX EN POUDRE EN PHASE HYPER DENSE

Publication

**EP 3414196 A1 20181219 (EN)**

Application

**EP 17704437 A 20170207**

Priority

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- EP 16167051 A 20160426
- EP 2017052637 W 20170207

Abstract (en)

[origin: WO2017137392A1] A Bypass device (1) for conveying a powder material, in particular in a hyperdense phase, comprises a first duct (S1) which is connectable to an upstream duct (T1), an intermediate duct (S3), and a second duct (S2) which is connectable to a downstream duct (T2). The first duct (S1) is in connection with the second duct (S2) via said intermediate duct (S3), such that said powder material is conveyable from said first duct (S1) via said intermediate duct (S3) to said second duct (S2). The first duct (S1) extends at a first angle ( $\alpha$ ) angularly inclined to the intermediate duct (S3) and the second duct (S2) extends at a second angle ( $\beta$ ) angularly inclined to the intermediate duct (S3). The bypass device further comprises at least one air injection device (N1.1, N1.1', N1.1'', N2.1, N2.1', N2.1'') that is arranged in one of said first and/or said second duct (S1; S2) for supplying gas at a determined pressure value (P1) and/or at a determined flow value (F1) into said first and/or second duct (S1; S2).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2017137392A1

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