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Hansen

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(54) **TRICKLE VALVE ASSEMBLY AND A METHOD OF SUPPLYING PARTICULATE MATERIAL THROUGH SUCH TRICKLE VALVE ASSEMBLY**

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Y10T 137/7902 (2015.04)

(58) **Field of Classification Search**
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See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 109 days.

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(57) **ABSTRACT**

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The present invention concerns a trickle valve assembly for supplying particulate material exiting the bottom of a separating cyclone, comprising a separating cyclone outlet conduit having a bottom end with an inclined valve seat and a pivotable valve plate assembly with a valve plate pivoting about a valve hinge and a counter-weight on the opposite side of valve hinge, wherein the outlet conduit is provided with at least one gas inlet above the inclined valve seat which is in fluid communication with a supply of pressurised gas, such as a pressurised air supply.

(52) **U.S. Cl.**
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