

Title (en)
Flared vane for abrasive blasting wheel.

Title (de)
Aufgeweitete Schaufel für ein Schleuderrad zum Sandstrahlen.

Title (fr)
Aube évasée pour roue de projection d'abrasif.

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Application
EP 84304275 A 19840625

Priority
US 50965683 A 19830630

Abstract (en)
An abrasive wheel assembly comprising a rotor (12), a runnerhead (13) concentrically mounted on the said rotor for rotation at a predetermined operating RPM, a plurality of spaced radially arranged abrasive particle throwing vanes (14), means detachably securing the said vanes to the face of the said runnerhead, impeller means (18) carried by the said rotor for feeding particulate abrasive material to the said vanes, characterised in that said vanes are provided with an abrasive throwing face (15) having space side portions (29, 30) flared away from the abrasive receiving heel end portion (16) of the said vane to the discharge end thereof (17) at a flare angle in the range of from 2 DEG to 7 DEG is disclosed. An abrasive particle throwing vane for use in a rotatable blasting wheel assembly, the said vane comprising a heel end portion spaced from a discharge end portion, a particle throwing face surface intermediate the said end portions, characterised in that the spaced sides of the said face flare away from the said heel end portion to the said discharge end of the said throwing face at a flare angle in the range of from 2 DEG to 7 DEG is also disclosed. By virtue of the present invention, inter alia, it is now possible to effect even distribution of abrasive transverse of the vane face at a varying operating rate.

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