

ABSTRACT**DUST SEPARATOR**

A dust separator (100) includes: a partitioner (3) mounted in a shell (2) and including an upper cup part (30); and a multi-cone unit (4) supported on the upper cup part (30) and including a plurality of cones (40), each of which has an upper end portion (45) formed with a tangent channel-forming notch (46) and having a circumferentially-extending segment (45a) and a tangentially-extending segment (45b). The circumferentially-extending segment (45a) has an end face (4511) disposed at one side (461) of the tangent channel-forming notch (46). The tangentially-extending segment (45b) has an inner face (452) that confines the other side (462) of the tangent channel-forming notch (46). The tangentially-extending segment (45b) of each of the cones (40) sidewisely joins an end section (451) of the circumferentially-extending segment (45a) of an adjacent one of the cones (40).

Fig. 2