

Fig. 1

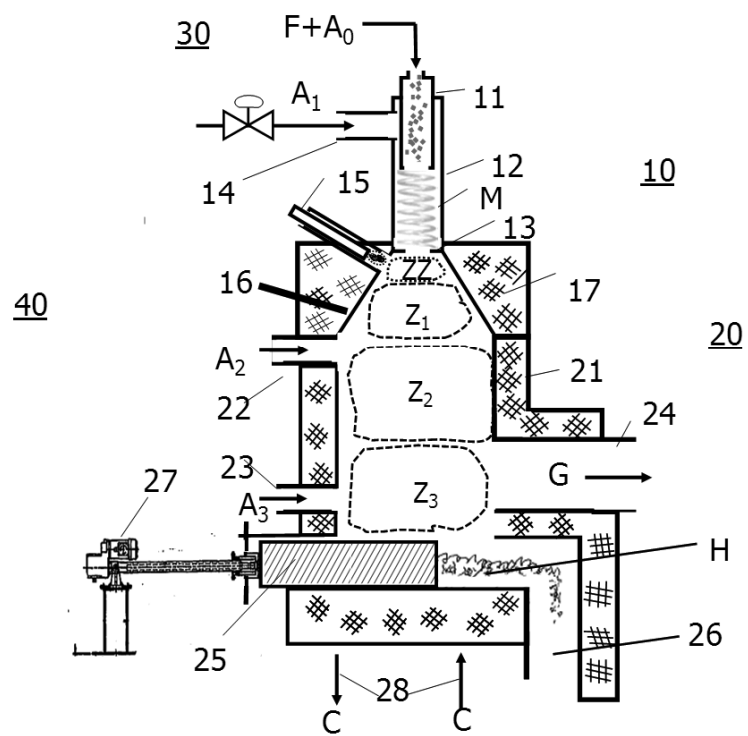


Fig. 2

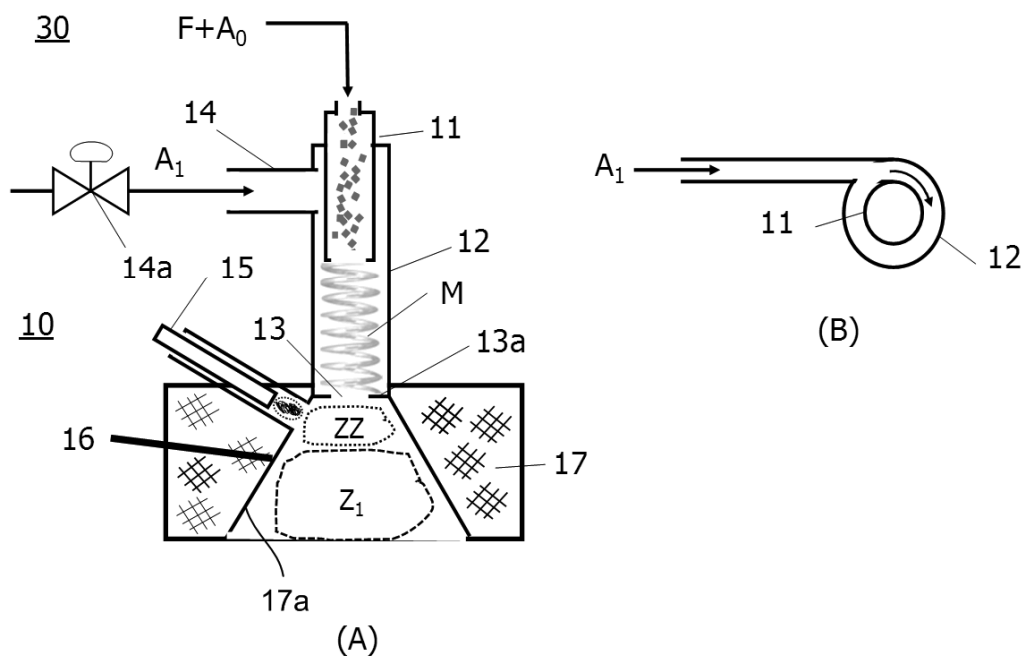


Fig. 3

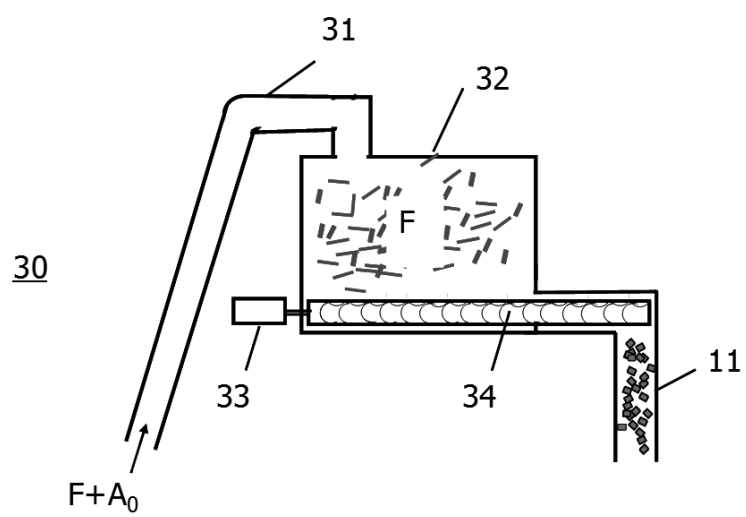


Fig. 4

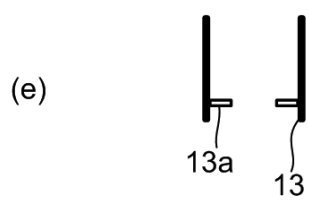
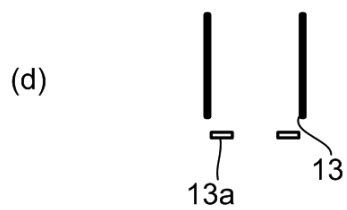
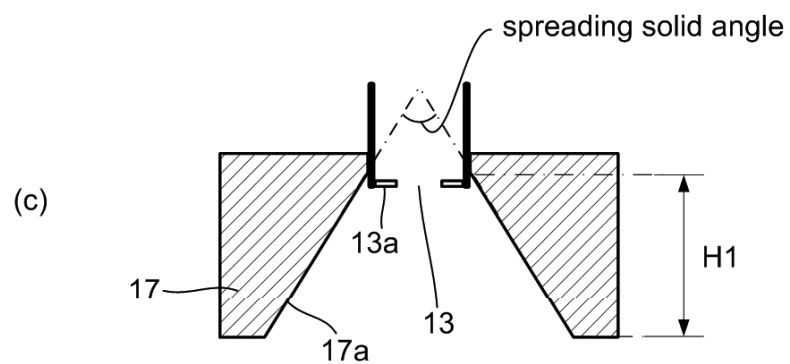
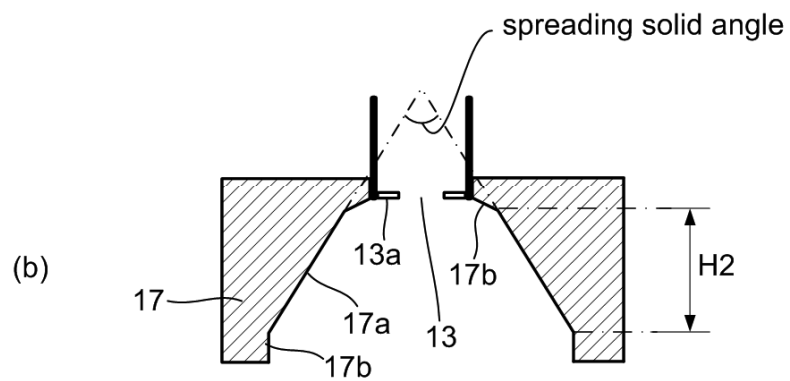
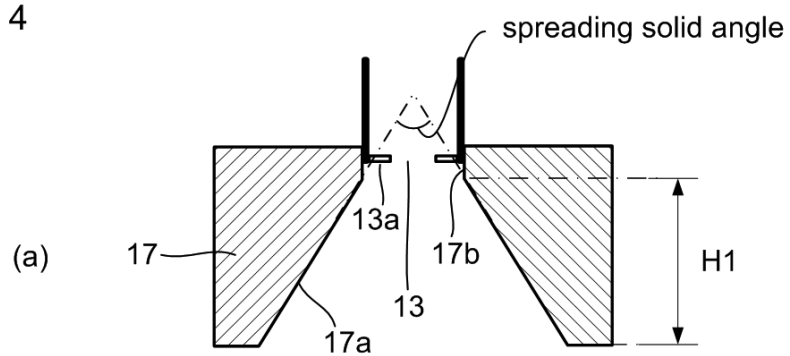


Fig. 5

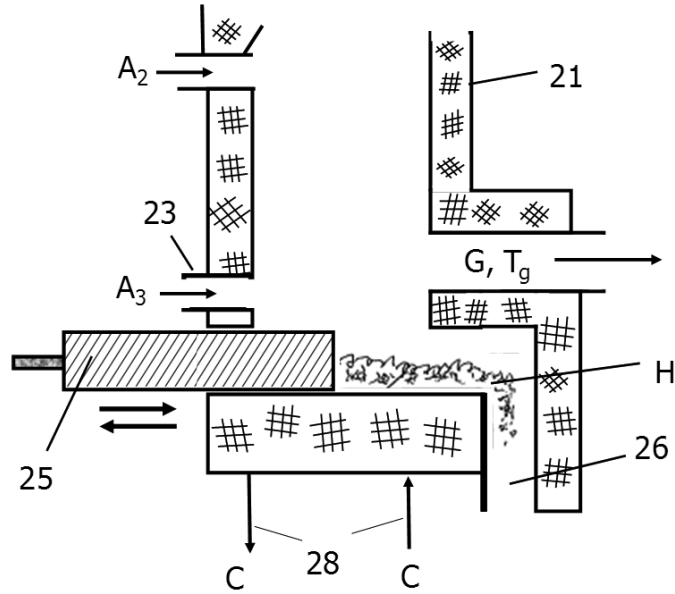
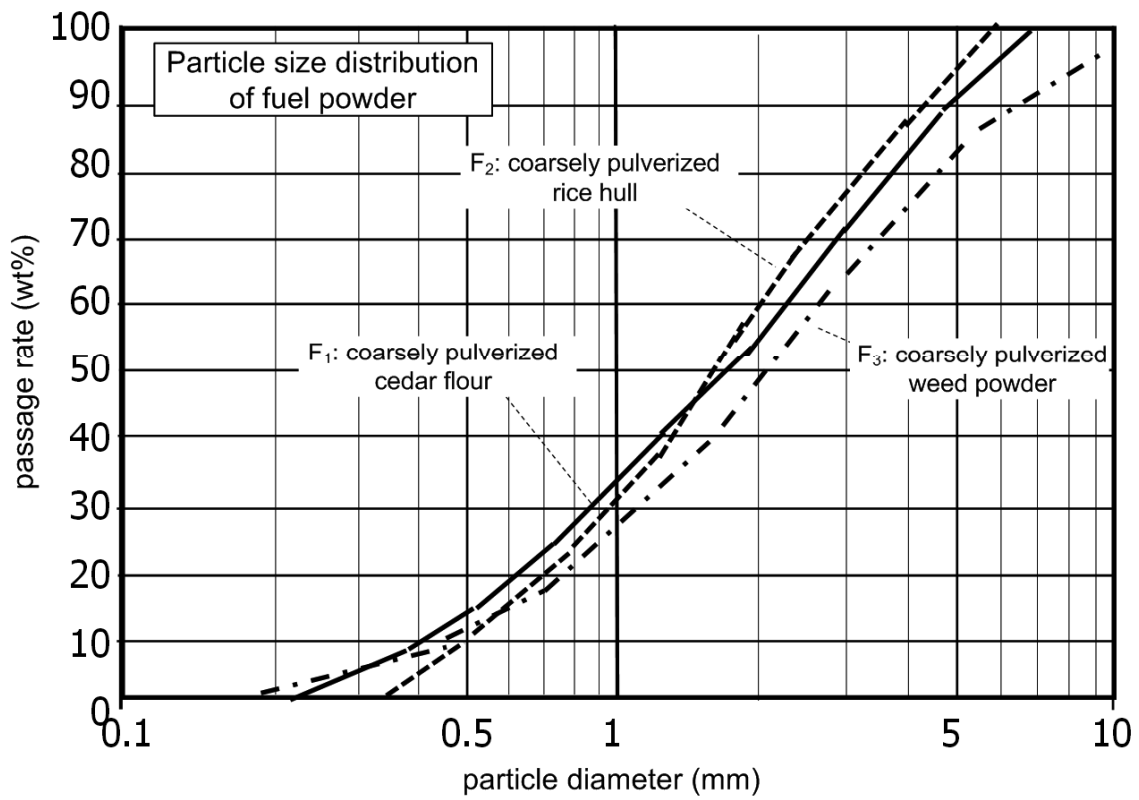


Fig. 6



cedar flour F_1

insulating wall temperature T_w ($^{\circ}\text{C}$)

stable ignition range

primary air temperature T_1 ($^{\circ}\text{C}$)

$\lambda_1 = 0.9$

MC: 10%

$\lambda_1 = 0.6$

MC: 20%

$\lambda_1 = 0.4$

MC: 30%

$\lambda_1 = 0.5$

$\lambda_1 = 0.6$

$\lambda_1 = 0.4$

○ : SI

△ : US

× : US

$A_0 = \text{NT}$

$\lambda_0 = 0.2$

$\lambda_1 = 0.4 \sim 0.9$

rice hull powder F_2

insulating wall temperature T_w ($^{\circ}\text{C}$)

stable ignition range

primary air temperature T_1 ($^{\circ}\text{C}$)

$\lambda_1 = 0.9$
MC: 10%

$\lambda_1 = 0.6$

$\lambda_1 = 0.4$

MC: 20%

$\lambda_1 = 0.5$

$\lambda_1 = 0.4$

MC: 30%

$A_0 = \text{NT}$
 $\lambda_0 = 0.2$
 $\lambda_1 = 0.4 \sim 0.9$

O: SI
 Δ : US
 $\times$: US

Fig. 9

