



**B**  
(Force-free field)



**Resistive region**

FIG.4. 6.—Calculation region and initial configuration of the present numerical simulation. As to the initial perturbation, we impose the locally enhanced resistivity constantly, that is, we set  $R_a = 1000$  within the range of  $x^2 + (z - 5)^2 \leq 0.4$  and  $11 \leq y \leq 14$ , while setting  $R_a = 0$  elsewhere. The region of the enhanced resistivity lies in the center part of the calculation region, displayed as a shaded area.