

Title (en)  
BRAKE RELEASE MECHANISM

Title (de)  
BREMSAUSLÖSEMECHANISMUS

Title (fr)  
MÉCANISME DE RELÂCHEMENT DES FREINS

Publication  
**EP 2586739 A1 20130501 (EN)**

Application  
**EP 10853667 A 20100625**

Priority  
JP 2010060828 W 20100625

Abstract (en)  
Provided is a brake release mechanism capable of reducing effort required for a brake releasing operation. The brake release mechanism includes a movable lever (13) and a fixed lever (15) provided so as to be rotatable relative to each other, and a plurality of rolling bodies (17) provided between the levers. On one surface (13a) of a pair of surfaces of the levers which face each other, a plurality of supporting holes (19) are formed, and on another surface (15a) thereof, a plurality of elongated holes (21) each extending in an arc-like manner so as to enable the rolling bodies to move while rolling are formed. Each of the elongated holes is formed so that a depth for housing a corresponding one of the rolling bodies changes when the rolling bodies move along the elongated holes. A distance between both the levers in a direction of a relative rotation axis changes in accordance with the relative rotation of the levers. The brake release mechanism further includes a release bolt (43) which avoids securing a position of the fixed lever in the direction of the relative rotation axis and secures a position of the movable lever in the direction of the relative rotation axis. Through the rotation of the movable lever, the fixed lever applies a traveling force to a movable body in the direction of the relative rotation axis, to thereby release a brake.

IPC 8 full level  
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CPC (source: EP KR)  
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