

- **Applicable platform:** MSM8953, MSM8940
- **Issue/problem description:**
 - In power off charging, device might suspend when press power key for 2s.
- **solution :**
 - Write /sys/power/wake_lock after press power key
 - set charger->next_key_check to -1 after release power key

healthd_mode_charger.cpp

```
#define WAKE_LOCK_PATCH "/sys/power/wake_lock"
```

```
#define WAKE_UNLOCK_PATCH "/sys/power/wake_unlock"
```

```
static void set_wake_lock(bool en)
```

```
{
```

```
int fd1;
```

```
int fd2;
```

```
char buffer[50];
```

```
if ((access(WAKE_LOCK_PATCH, R_OK | W_OK) && access(WAKE_UNLOCK_PATCH, R_OK | W_OK)) != 0)
```

```
{
```

```
LOGW("set_wake_lock control not support\n");
```

```
}
```

```
memset(buffer, '\0', sizeof(buffer));
```

```
fd1 = open(WAKE_LOCK_PATCH, O_RDWR);
```

```
if (fd1 < 0) {
```

```
LOGE("Could not open set_wake_lock node : %s\n", strerror(errno));
```

```
}
```

```

fd2 = open(WAKE_UNLOCK_PATCH, O_RDWR);

if (fd2 < 0) {

LOGE("Could not open set_wake_lock node : %s\n", strerror(errno));

goto cleanup;

}

LOGE("set_wake_lock status to %d\n", en);

snprintf(buffer, sizeof(buffer), "%s\n", "power_key_wakeup_source");

if (!en){

if (write(fd2, buffer, strlen(buffer)) < 0) {

LOGE("[wake_unlock]Could not set_wake_lock node : %s\n", strerror(errno));

goto cleanup;

}

}else {

if (write(fd1, buffer, strlen(buffer)) < 0) {

LOGE("[wake_lock]Could not set_wake_lock node : %s\n", strerror(errno));

goto cleanup;

}

}

cleanup:

if (fd1 >= 0)

close(fd1);

if (fd2 >= 0)

close(fd2);

}

```

```
if (code == KEY_POWER) {  
  
    if (key->down) {  
  
        + set_wake_lock(1);  
  
    } else {  
  
        if (key->pending) {  
  
            + set_charger->next_key_check to -1  
  
            + set_wake_lock(0);
```

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