in pegmatite.dtsi

```
regulators-mmap {

        compatible = "simple-bus";

        #address-cells = <2>;

        #size-cells = <2>;


        ranges;

        pegmatite_imgpipe_reg: pegmatite-regulator@1 {

                compatible = "pegmatite-reg";

                reg = <0 0xf9080008 0 0x160>;

                init-on = <1>;

                clocks = <&ipsbus_imaging_clkgate>, <&scan_clkgate>, <&lvds_afe_clkgate>,
<&nss_imaging_clkgate>, <&ipsbusdiv2_clkgate>;

                regulator-name = "pegmatite_imgpipe";

                dev-name = "img_pipe";

                supply-name = "islandpower";

        };

        pegmatite_gpu_reg: pegmatite-regulator@2 {

                compatible = "pegmatite-reg";

                reg = <0 0xd0630030 0 0x8>;

                init-on = <1>;

                clocks = <&apbus_gpu_clkgate>, <&gpubus_clkgate>, <&gpu_clkgate>;

                regulator-name = "pegmatite_gpu";cd

                dev-name = "gpu";
```

```dts
                    supply-name = "islandpower";

                };

            pegmatite_upc_reg: pegmatite-regulator@3 {

                compatible = "pegmatite-reg";

                reg = <0 0xf9080000 0 0x8>;

                init-on = <1>;

                clocks = <&xio_clkgate>, <&xcpu_clkgate>, <&ipsbus_upc_clkgate>;

                regulator-name = "pegmatite_upc";

                dev-name = "upc0";

                supply-name = "islandpower";

            };

        };
```

in mv6220-toc.dts

```dts
    regulators-mmap {

        pegmatite_imgpipe_reg: pegmatite-regulator@1 {

            status = "disabled";

        };

            pegmatite_gpu_reg: pegmatite-regulator@2 {

            status = "disabled";

        };

            pegmatite_upc_reg: pegmatite-regulator@3 {

            status = "disabled";

        };
```

};

上面的是Richard所加，错的。

而在

linux/drivers/regulator/pegmatite-regulator.c

```
static const struct of_device_id peg_dt_reg_id[] =

{

    { .compatible = "pegmatite-reg", },

    {}

};
MODULE_DEVICE_TABLE(of, peg_dt_reg_id);
```

in linux/drivers/regulator/Makefile

```
obj-$(CONFIG_REGULATOR_PEGMATITE) += pegmatite-regulator.o
```

in pegmatite.cfg

```
CONFIG_REGULATOR=y

CONFIG_REGULATOR_PEGMATITE=m
```

check in gerrit/build-bundle/poky/build/tmp/work/granite2-poky-linux-gnueabi/linux-granite-upstream/3.18.7+gitAUTOINC+465ee40d87-r0/image/boot/config-3.18.7-yocto-standard

CONFIG_REGULATOR_PEGMATITE=m

in gerrit/build-bundle/poky/build/tmp/work/granite2-poky-linux-gnueabi/linux-granite-upstream/3.18.7+gitAUTOINC+465ee40d87-r0/image/lib/modules/3.18.7-yocto-standard/kernel/drivers/regulator

pegmatite-regulator.ko

after system startup

root@granite2:~# lsmod

Module	Size	Used by
ipv6	276100	20
imagepower	1865	0
stepper_api_b0	12711	0
upc	88464	0
pegmatite_regulator	4051	2 upc,imagepower
picdriver	55319	0
scanblkdriver	52888	0
cisxdriver	34852	0
icetestdriver	15129	0
piedriver	179267	0
laservideo_a0	80001	0
dmaalloc	4239	1 laservideo_a0
dros	9633	1 laservideo_a0
hips_pll	4966	1 laservideo_a0
mv61_cdma	31142	0

sccplite   5695 0

stepper_mod_b0   16545 1 stepper_api_b0

m25p80   6875 0

spi_nor   13262 1 m25p80

dcmotor_reg   7724 0

ehci_hcd   44353 0

spi_pxa2xx_platform   14149 0

ipc_driver   4578 0

i2c_pxa   7548 0

pegmatite_wdt   4332 0

在gr2上是否应该看到

pegmatite_regulator   4051 2 upc,imagepower,gpu

root@granite2:/usr/bin# lsmod

Module   Size Used by

galcore   160452 0

ipv6   276228 24

imagepower   1865 0

upc   88464 0

picdriver   55065 0

stepper_api_a0   12030 0

pegmatite_regulator   4051 4 upc,imagepower

scanblkdriver   52888 0

laservideo_a0   80033 0

```
icetestdriver       15129  0

cisxdriver          34852  0

piedriver           179778  0

dmaalloc            4239  1 laservideo_a0

dros                9665  1 laservideo_a0

hips_pll            4966  1 laservideo_a0

mv61_cdma           31150  0

ci_hdrc_imx         2976  0

sccplite            5695  0

stepper_mod_a0      14809  1 stepper_api_a0

ahci_platform       2298  0

at24                4419  0

libahci_platform    4895  1 ahci_platform

libahci             20854  1 libahci_platform

usbmisc_imx         4330  1 ci_hdrc_imx

ci_hdrc             20768  1 ci_hdrc_imx

ehci_hcd            44377  0

tsen_pegmatite      1972  0

phy_mv_pegmatite_sata   3013  1

ipc_driver          4578  0

i2c_pxa             7548  0

dro_pegmatite       1598  0

pegmatite_wdt       4332  0
```

对framebuffer driver而言

CONFIG_FB=y

CONFIG_FB_PXA168=y

CONFIG_FB_MODE_HELPERS=y

CONFIG_LCD_CLASS_DEVICE=y

CONFIG_BACKLIGHT_CLASS_DEVICE=y

CONFIG_BACKLIGHT_GENERIC=y

CONFIG_BACKLIGHT_GPIO=y

CONFIG_BACKLIGHT_LCD_SUPPORT=y

即driver被集成进kernel