

blackcat/tensors/expression
_templates/functions/reductions
/reductions.h

```
graph TD; A["blackcat/tensors/expression  
_templates/functions/reductions  
/reductions.h"] --> B["host.h"]; A --> C["device.cu"]
```

The diagram illustrates a file structure where a single header file is used for both host and device code. The top box, with a dark border and light gray fill, contains the full path: `blackcat/tensors/expression_templates/functions/reductions/reductions.h`. Two blue arrows point downwards from the bottom of this box to two separate boxes below. The left box, labeled `host.h`, has a dark border. The right box, labeled `device.cu`, has a light gray border.

host.h

device.cu